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# Gettysburg College Bulletin

*Founded in 1832*

REGISTER FOR 1958-1959

ANNOUNCEMENT OF COURSES 1959-1960

Vol. XLIX - April, 1959 - No. 5

GETTYSBURG COLLEGE

GETTYSBURG, PENNSYLVANIA

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The Gettysburg College Bulletin is published by the College: Alumni Edition in January, April, July and October; Admissions Edition in February, March and April.

Entered at the Post Office at Gettysburg, Pa., as second class matter under Act of Congress July 16, 1904.



# Foreword

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## Objectives of Gettysburg College

Gettysburg College, an independent, church-related college, seeks to encourage the sound development of its students in an atmosphere of Christian ideals. In particular, the aims of the College may be stated as follows:

- (1) To acquaint the student with the great ideas and ideals of his civilization and to stimulate him to creative, independent thought.
- (2) To provide him with the necessary skills for proficient service in his chosen career.
- (3) To encourage him in the wise use of his leisure time in cultivating both physical well-being and social responsibility.
- (4) To emphasize to the student the importance of Christian principles as integrating forces in life.

Thus Gettysburg College provides for the spiritual, intellectual, social, and physical growth of its students through the vigorous pursuit of an integrated advanced program of academic learning and broad social concepts held in proper perspective. It welcomes those students who accept the responsibility of sincere, sustained effort in a setting of intimate personal contacts with teachers and staff.

## **Institutional Rating**

Gettysburg College is on the accreditation lists of the Middle States Association of Colleges and Secondary Schools, the Board of Regents of the State of New York, the Department of Public Instruction of Pennsylvania, and others. It is a member of the National Commission on Accreditation.

Approval by the American Medical Association and the American Association of University Women, membership in Phi Beta Kappa and in the American Chemical Society, and approval by other similar organizations are additional indications of good standing.

This rating means that credits granted by Gettysburg College are accepted at face value by other colleges, universities, and graduate and professional schools.



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# PROPOSED CALENDAR

1959-1960

1959

*June 10*  
*July 17*  
*July 20*  
*August 28*

## SUMMER SESSION

*Wednesday*, Registration  
*Friday*, First session ends  
*Monday*, Second session begins  
*Friday*, Second session ends

## FALL SEMESTER

*September 13-18*  
*September 19*  
*September 21*  
*October 17*  
*October 31*  
*November 9*  
*November 25*  
  
*November 30*  
*December 17*

*Sunday-Friday*, Orientation Week and Registration  
*Saturday*, Formal Opening Exercises, 11:00 A.M.  
*Monday*, Classes begin at 7:50 A.M.  
*Saturday*, Father's Day  
*Saturday*, Alumni Homecoming  
*Monday*, Mid-Semester Reports  
*Wednesday*, Thanksgiving Recess begins 12:00 Noon  
*Monday*, Thanksgiving Recess ends 7:50 A.M.  
*Thursday*, Christmas Recess begins 5:00 P.M.

1960

*January 4*  
*January 6-7-8*  
  
*January 18-27*

*Monday*, Christmas Recess ends 7:50 A.M.  
*Wednesday-Friday*, Senior Comprehensive Examinations  
*Monday-Wednesday*, Mid-year Examinations

## SPRING SEMESTER

*February 2*  
*February 3*  
*February 15-17*  
*March 11-13*  
*March 19*  
  
*March 28*  
*April 27*  
*April 30*  
*May 4-5-6*  
  
*May 19-28*  
*June 4*  
*June 5*

*Tuesday*, Registration  
*Wednesday*, Classes begin  
*Monday-Wednesday*, Religious Emphasis Week  
*Friday-Sunday*, Interfraternity Weekend  
*Saturday*, Spring Recess begins 12:00 Noon  
Mid-Semester Reports  
*Monday*, Spring Recess ends 7:50 A.M.  
*Wednesday*, Spring Registration  
*Saturday*, Mother's Day  
*Wednesday-Friday*, Senior Comprehensive Examinations  
*Thursday-Saturday*, Final Examinations  
*Saturday*, Alumni Day  
*Sunday*, Commencement

# Board of Trustees

<i>First Elected</i>	Trustee, Emeritus	<i>Term Expires</i>
1939	EDWARD W. FURST, Swarthmore	

## Trustees

1956	WILLARD STEWART PAUL, LL.D., Gettysburg	
1923	HENRY W. A. HANSON, D.D., LL.D., Harrisburg	1963
1932	AMOS E. TAYLOR, PH.D., Washington, D. C.	1959
1935	C. WILLIAM DUNCAN, Springfield, Dela. Co.	1959
1937	CLYDE E. GERBERICH, Mount Joy	1960
1939	WILLIAM J. MILLER, JR., D.D., Philadelphia	1960
1939	JOHN S. RICE, <i>Chairman</i> , Gettysburg	1962
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1946	CLARENCE A. WILLS, Gettysburg	1964
1947	MRS. CHARLES W. BAKER, JR., Springdale	1960
1948	WILLIAM H. SANDLAS, Baltimore, Md.	1960
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1949	PAUL R. SIEBER, M.D., Pittsburgh	1961
1952	JOHN A. APPLE, <i>Vice Chairman</i> , Sunbury	1964
1952	LESTER GINGERICH, Philadelphia	1964
1953	PAUL H. RHOADS, <i>Alumni Representative</i> , Harrisburg	1959
1954	NELSON F. FISHER, M.D., Chicago	1960
1954	WALTER E. GARMAN, <i>Alumni Representative</i> , Baltimore	1960
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1955	HORACE G. PORTS, <i>Secretary</i> , York	1961
1955	DONALD K. WEISER, Chicago, Ill.	1961
1956	MRS. WILLARD STEWART PAUL, <i>Alumni Representative, Assistant Secretary</i> , Gettysburg	1962
1957	LUTHER RITTER, <i>Alumni Representative</i> , Littlestown	1963
1957	WARREN C. HEINLY, D.D., <i>Central Pennsylvania Synod Representative</i> , Lancaster	1959
1957	DAVID S. BANTLEY, M.D., <i>Central Pennsylvania Synod Representative</i> , Johnstown	1961



<i>First Elected</i>		<i>Term Expires</i>
1957	REV. HOWARD J. MCCARNEY, <i>Central Pennsylvania Synod Representative, Hanover</i> .....	1963
1958	LLOYD M. KELLER, D.D., <i>Maryland Synod Representative, Baltimore, Md.</i> .....	1964
1958	JULIUS G. HLUBB, PH.D., <i>Maryland Synod Representative, Baltimore, Md.</i> .....	1964
1958	STEWART SMITH, PH.D., <i>West Virginia Synod Representative, Huntington, W. Va.</i> .....	1964
1958	MILLARD E. GLADFELTER, PH.D., <i>Jenkintown</i> .....	1959
1958	GEORGE E. ALLEN, <i>Washington, D. C.</i> .....	1964
1958	ARTHUR S. SIPE, <i>Alumni Representative, Drexel Hill</i> .....	1964

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**HENRY W. A. HANSON**

*President Emeritus*

A.B., A.M., *Roanoke College*; B.D., *Gettysburg Theological Seminary*; D.D., *Gettysburg College*; LL.D., *Bucknell University*, *Lafayette College*, and *Wittenberg College*.

**MILDRED JOHNSON**

*Administrative Assistant to the President*

A.B., *Gettysburg College*.

**EDWERTH E. KORTE**

*Chaplain*

A.B., *Gettysburg College*; B.D., *Gettysburg Theological Seminary*.

---

**RICHARD A. BROWN**

*College Counsel*

A.B., *Gettysburg College*; LL.B., *University of Pennsylvania*.

**SEYMOUR B. DUNN**

*Dean of the College*

A.B., *Dartmouth College*; A.M., Ph.D., *Cornell University*.

**CHARLES R. WOLFE**

*Dean of Admissions*

A.B., A.M., *Gettysburg College*.

**MARTIN H. CRONLUND**

*Associate Dean of Admissions*

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**DONALD J. HOLLAND**

*Admissions Counselor*

A.B., *Gettysburg College*.

**MILDRED H. HARTZELL**

*Registrar*

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**JOHN H. KNICKERBOCKER**

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---

**JOHN W. SHAINLINE***Dean of Students**A.B., Gettysburg College; A.M., Columbia University.***MARTHA STOREK***Dean of Women**A.B., Connecticut College; Ph.D., Bryn Mawr College.***W. RAMSAY JONES***Dean of Men**A.B., Gettysburg College.***BARBARA L. PLATT***Acting Director of Guidance and Placement**B.S., Allegheny College; A.M., Ohio State University.***LEWIS B. FRANK***Special Counselor**B.S., Franklin and Marshall College; A.M., The Johns Hopkins University.***TILDEN I. MOE***College Physician**A.B., B.S., M.D., University of Minnesota.***ADA TUCKEY, R.N.***Head Nurse*

---

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JAY BROWN

*Bursar*

REX MADDOX

*Superintendent of Buildings and Grounds*

RAYMOND STROHM

*Book Store Manager*

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HAROLD A. DUNKELBERGER

*Director of Development and Alumni Relations*

*A.B., Gettysburg College; B.D., Lutheran Theological Seminary; Ph.D.,  
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ROY D. MILLER

*Assistant to Director of Development and Alumni Relations*

*A.B., Gettysburg College.*

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*Director of Public Information*

*B.S., Gettysburg College.*

RONALD D. STAUB

*Assistant to the Director of Public Information*

*A.B., Gettysburg College.*

ROSEA ARMOR

*Administrative Assistant to the Director of Alumni Relations*

# The Faculty

---

## Professors

- \*RICHARD A. ARMS, *Alumni Professor of Mathematics and Director of Dramatics*  
A.B., Ursinus College; PH.D., University of Pennsylvania.
- \*JOHN B. ZINN, *Ockershausen Professor of Chemistry*  
B.S., Gettysburg College; PH.D., The Johns Hopkins University.
- ‡\*ROBERT FORTENBAUGH, *Adeline Sager Professor of History*  
A.B., Gettysburg College; Graduate, Lutheran Theological Seminary, Gettysburg; A.M., Syracuse University; PH.D., University of Pennsylvania.
- \*WILLIAM C. WALTEMYER, *Amanda Rupert Strong Professor of English Bible*  
A.B., Gettysburg College; B.D., Gettysburg Theological Seminary; A.M., PH.D., American University.
- \*ALBERT BACHMAN, *Professor of Romance Languages*  
PH.D., University of Zurich; Agregation, University of Zurich; PH.D., Columbia University.
- \*JOHN G. GLENN, *Pearson Professor of Latin*  
A.B., A.M., Wesleyan University; PH.D., Princeton University.
- †EARL BOWEN, *Dr. Charles H. Graff Professor of Biology*  
A.B., Hendrix College; A.M., PH.D., Harvard University.
- \*WILLIAM K. SUNDERMEYER, *Professor of German*  
PH.D., University of Goettingen.
- \*WILLIAM FREDERICK SHAFFER, *Franklin Professor of Greek*  
A.B., A.M., PH.D., Princeton University.
- \*NORMAN E. RICHARDSON, JR., *William Bittinger Professor of Philosophy*  
A.B., Amherst College; B.D., Yale Divinity School; PH.D., Yale University.
- \*KENNETH L. SMOKE, *Professor of Psychology*  
A.B., A.M., PH.D., Ohio State University.

---

\*Head of the Department.

‡Died March 15, 1959.

†On leave of absence.

- \*PARKER B. WAGNILD, *Professor of Music*  
A.B., *St. Olaf College*; M.S.M., *Union Theological Seminary*; B.D., *Gettysburg Theological Seminary*; A.M., *New York University*.
- \*MILTON L. STOKES, *Professor of Economics*  
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- \*M. ESTHER BLOSS, *Professor of Sociology*  
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- \*HENRY T. BREAM, *Professor of Health and Physical Education*  
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- \*HOWARD CHARLES LONG, *Professor of Physics*  
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- FRANCIS C. MASON, *Professor of English*  
A.B., A.M., *University of Virginia*; A.M., *Harvard University*; Ph.D., *University of Virginia*.
- C. ALLEN SLOAT, *Professor of Chemistry*  
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- \*RICHARD B. GEYER, *Professor of English*  
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- \*RUSSELL S. ROSENBERGER, *Professor of Education*  
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- CLARENCE BARTHOLOMEW, *Professor of Health and Physical Education*  
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- \*COL. ROBERT M. BEECHINOR, *Professor of Military Science and Tactics*  
A.B., *Teachers College of Connecticut*.
- \*LT. COL. MARTIN F. PETERS, *Professor of Air Science*  
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---

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## Associate Professors

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FREDERICK C. AHRENS, *Associate Professor of German*  
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††On leave of absence, first Semester, 1958-59.

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---

†On leave of absence.

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A.B., A.M., Ph.D., *Duke University.*

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M. SCOTT MOORHEAD, *Assistant Professor of Mathematics*  
B.S., M.A., *Washington and Jefferson College*; Ph.D., *University of Pittsburgh.*

MAJOR LEONARD O. PETERSON, *Assistant Professor of Military Science and Tactics*  
B.S., *Minnesota State College.*

MAJOR KARL C. TEUFEL, *Assistant Professor of Air Science*  
B.S., *Roanoke College*; B.D., M.S.T., *Lutheran Theological Seminary, Gettysburg.*

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THEODORE C. DANIELS, *Assistant Professor of Physics*  
A.B., *Oberlin College.*

CAPT. WILLIAM R. COVINGTON, *Assistant Professor of Air Science*  
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CAPT. DANIEL R. BEIRNE, *Assistant Professor of Military Science and Tactics*  
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A.B., *Gettysburg College*; A.M., *Columbia University.*

EDWARD R. OSTRANDER, *Assistant Professor of Psychology*  
A.B., *Syracuse University*; A.M., Ph.D., *University of Illinois.*

**GUNNAR C. SANDNES, Assistant Professor of Biology**

B.S., *College of the City of New York*; M.S., *University of Connecticut*;  
Ph.D., *Stanford University*.

**HOWARD G. SHOEMAKER, Assistant Professor of Health and Physical Education**

A.B., *Gettysburg College*; A.M., *Columbia University*.

**°JOHN V. VAN INGEN, Assistant Professor of Economics**

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**ESTHER CHASE WOOD, Assistant Professor of Psychology and Sociology**

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A.B., *Gettysburg College*; B.D., *Yale University Divinity School*.

**G. ROBERT HELD, Assistant Professor of Latin**

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**ROBERT H. FRYLING, Assistant Professor of Mathematics**

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**ALBERT W. BUTTERFIELD, Assistant Professor of Mathematics**

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**ROWLAND ELIZABETH LOGAN, Assistant Professor of Biology**

A.B., *University of California*; M.S., Ph.D., *Northwestern University*.

**CAPT. WELDA A. SMITH, Assistant Professor of Air Science**

B.S., *Trinity University*.

**MAJOR WILLIAM N. STORMS, Assistant Professor of Air Science**

B.S., *Georgetown University*.

**WALTER J. SCOTT, Assistant Professor of Physics**

A.B., *Swarthmore College*; M.S., *Lehigh University*.

### Instructors

**LOIS KADEL, Instructor in Music, Christ Chapel Organist and Choir Director**

B.S., *West Chester State Teachers College*; M.S.M., *Union Theological Seminary*.

**MARIE MCLENNAND, Instructor in English**

A.B., A.M., *University of Pittsburgh*.

**EDWARD J. BASKERVILLE, Instructor in English**

B.S., *Lehigh University*; A.M., *Columbia University*.

**MAYNARD R. PLAYFOOT, Instructor in Romance Languages**

A.B., A.M., *New York State College for Teachers*.

°Resigned February 1, 1959.

JOHN RIDINGER, *Instructor in Physical Education*

B.S. in Health and Physical Education, *Gettysburg College*.

PRABHAKAR S. AKOLEKAR, *Instructor in Economics*

A.M., *University of Bombay*; A.M., *University of Virginia*.

JAMES W. ALEXANDER, *Instructor in History*

A.B., *Dartmouth College*; M.S., *University of Wisconsin*.

PATRICK W. BARCLAY, *Instructor in Fine Arts*

DIPLOMA OF ART, *Edinburgh College of Art, Edinburgh University*.

ARTHUR B. BOENAU, *Instructor in Political Science*

A.B., *Amherst College*; A.M., *Columbia University*.

NORMAN CHARLES, *Instructor in English*

A.B., *Pennsylvania State University*; A.M., Ph.D., *University of Pennsylvania*.

GLENDON F. COLLIER, *Instructor in German*

A.B., *Franklin and Marshall College*; A.M., *University of California*.

JOSEPH B. HAMPTON, *Instructor in Political Science*

A.B., A.M., *Rutgers University*.

JANIS WEANER, *Instructor in Romance Languages*

A.B., *Mary Washington College of the University of Virginia*; A.M., *New York University*.

JERRY L. JACKSON, *Instructor in Speech*

A.B., *University of Alabama*.

JACK LOCHER, *Instructor in English*

A.M., *University of Chicago*.

AVERY SHEAFFER, *Instructor in Sociology*

B.S., *Ohio State University*; A.M., *American University*.

DAVID H. WEANER, *Instructor in Physics*

A.B., *Gettysburg College*.

JOHN B. CARPENTER, *Instructor in Health and Physical Education*

B.S., *Pennsylvania State University*.

NANCY J. KELLY, *Instructor in Health and Physical Education*

B.S., *Temple University*.

MARIE BUDDE, *Instructor in Voice*

B.M., *Curtis Institute of Music; Peabody Conservatory of Music*.

ILSE LANGERHANS, *Instructor in German*

Graduate of *Augusta Lycee*.

BRUCE BUGBEE, *Instructor in History*

A.B., *William and Mary College*; A.M., *University of Michigan*.



CURTIS COULL, *Instructor in Health and Physical Education*  
A.B., Gettysburg College.

CHAN L. COULTER, *Instructor in Philosophy*  
A.B., State University of Iowa; M.A., Harvard University.

RICHARD A. DAVISON, *Instructor in English*  
A.B., Middlebury College; A.M., University of Rochester.

ROBERT M. GEMMILL, *Instructor in Economics*  
A.B., Gettysburg College.

DONALD HOMAN, *Instructor in Physics*  
A.B., Gettysburg College.

NANCY MITCHELL, *Instructor in Health and Physical Education*  
A.B., Gettysburg College.

SAMUEL A. MUDD, *Instructor in Psychology*  
A.B., Gettysburg College; M.S., Purdue University.

ALEX ROWLAND, *Instructor in Chemistry*  
A.B., Gettysburg College, Ph.D., Brown University.

NELSON R. SULOUFF, *Instructor in Bible*  
A.B., Gettysburg College; B.D., Gettysburg Lutheran Seminary.

### Assistant Instructors

M/SGT. DAN J. WARRINGTON, *Assistant Instructor in Air Science*

M/SGT. JAMES A. WALKER, *Assistant Instructor in Air Science*

SFC BOBBY L. DOVE, *Assistant Instructor in Military Science and Tactics*

T/SGT. WILLIAM H. DENNINGTON, *Assistant Instructor in Air Science*

SFC ARMAND F. PROSPERI, *Assistant Instructor in Military Science and Tactics*

SFC JAMES T. TOMLIN, *Assistant Instructor in Military Science and Tactics*

SGT. JAMES W. BORING, *Assistant Instructor in Military Science and Tactics*

SGT. KHLAR J. DAYE, *Assistant Instructor in Military Science and Tactics*

A/IC DOUGLAS W. SALO, *Assistant Instructor in Air Science*

### Lecturers

JACK R. CORBIN, *Physics*

B.S., *Millersville State Teachers College.*

LENA FORTENBAUGH, *German*

A.B., *Syracuse University*; A.M., *Gettysburg College.*

HELEN H. DARRAH, *Biology*

B.S., M.S., *University of Pittsburgh.*

ALFRED J. BASHORE, *Education*

B.S., *Kutztown State Teachers College.*

SIDNEY B. AKOLEKAR, *English*

A.B., *University of Pennsylvania.*

JEAN ANNE HARTZELL, *English*

A.B., *Gettysburg College.*

FREDERICK WEISER, *Bible*

A.B., *Gettysburg College.*

DONALD Z. WAGNER, *Economics*

Senior Accountant, Philip M. Dunn Company, Certified Public Accountants.

### Private Instructors in Applied Music

J. HERBERT SPRINGER, *Organ and Piano*

Student of Tobias Matthay and of Frank Manheimer, London, England.

TOINI K. HEIKKINEN, *Organ and Piano*

M.B., *Oberlin Conservatory.*

### Assistants

EUGENE DEARDORFF, *Chemistry*

A.B., *Gettysburg College.*

ANNE M. HOMAN, *Biology*

A.B., *Gettysburg College.*

BARBARA WASHBURN, *Biology*

A.B., *Indiana University.*

# Faculty Committees

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*Advisory:* WALTEMYER, RICHARDSON, BREAM.

*Academic Policy:* MARA, BLOOM, FREED, SHAFFER, MASON, WAGNILD, DUNN.

*Executive:* GLENN, BARTHOLOMEW, ZIEGLER, FORTENBAUGH, RICHARDSON, TAYLOR, DUNN.

*Admissions:* WOLFE, DUNN, B. PLATT, LONG, ROSENBERGER, WOLFINGER, BLOSS, CHARLES.

*Lecture and Concert:* SUNDERMEYER, QUALLY, DOUGLAS.

*Library:* GEYER, DARRAH, HELD, SLOAT, TRONE, KNICKERBOCKER.

*Religious Activities:* LINDEMAN, BACHMAN, DUNKELBERGER, GLATFELTER, TOWNSEND, KORTE.

*Scholarship and Financial Aid:* WALTEMYER, BREAM, WAGNILD, BARNES, MOORHEAD, FREED, HOFFMAN, SHAINLINE, WOLFE.

*Scholastic Standing:* DUNN, JONES, SHAINLINE, STOREK, WEILAND, HAMME, C. PLATT, ZAGARS, JOHNSON, B. PLATT.

*Student Affairs:* SHAINLINE, JONES, STOREK, HAMMANN, KENNEY, PICKERING, ACKLEY, BOLICH, HAMPTON, PETERS.

Chairman of the Committee underlined.

The President and the Dean of the College are ex-officio members of all committees.

## Location and History

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Gettysburg, Pennsylvania, is located in the south-central part of the state, about thirty miles southwest of the state capital, Harrisburg. The town, with a population of approximately seven thousand, lies in the eastern foothills of the Appalachian mountains in an attractive rural setting of rich farmlands and orchards. It is the site of one of the most significant battles in military history and in the history of the nation. The battlefield, which is now a national park, is yearly visited by nearly a million tourists.

"Pennsylvania College of Gettysburg" was chartered on April 7, 1832, as the first Lutheran college in America. The primary purpose of its founders was "To train men and women as leaders who will preserve this civilization with its emphasis on the dignity of the individual as a being created in the image of God." Through the years, continued effort to fulfill this early objective has provided Gettysburg College with a rich history of progress and development.

The College first held classes in a building in town which has since become a private residence. The present campus was established in 1837, when Pennsylvania Hall, the "Old Dorm," was constructed on the former Thaddeus Stevens property. This building, which served as a hospital and headquarters during the battle, still stands in the center of the campus and functions as a men's dormitory. Expansion was accelerated after the Civil War: new buildings were erected, intercollegiate sports were started, and in 1888 women were first admitted. In 1916 the Army organized a Reserve Officers Training Corps at Gettysburg, making the College the first independent institution to have such a unit. In 1921 the name of the school was officially changed to Gettysburg College.

During the early decades of the century growth was rapid. The student body continued to grow, and many new buildings were added. In 1927, an outstanding year in the growth of the College, Breidenbaugh Science Hall and the Eddie Plank Memorial Gymnasium were completed. The curriculum was expanded to include many new courses and embrace a wide range of study. The faculty was continually augmented and has increased from the original staff of five professors



to more than one hundred members. The student enrollment now stands at approximately 1,500, a great increase from the small band of sixty-seven who crowded into the limited space of the first college home. The physical equipment of the College is now valued at approximately \$9,000,000. Gettysburg College is fully accredited and approved by all the major agencies, including membership in the National Commission on Accreditation and the American Association of University Women.

Gettysburg College feels that it has been true to its fine traditions and objectives and that it has, over the years, made a valuable contribution to the intellectual and spiritual welfare of the nation. The College will continue to accept the responsibility of providing its students with the best educational advantages that it can offer.

## Buildings and Facilities

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AIR SCIENCE BUILDING, a temporary structure obtained from the Army in 1947 and formerly operated as a recreation center by the Student Christian Association, now serves as headquarters and provides classroom facilities for the Department of Air Science.

ALUMNI HALL, the former Alpha Tau Omega home, has been rented by the College for a period of two years. Located diagonally across Washington Street from the South College Gate, it houses the Office for Development, the Publicity Office, and the Alumni Office. The three offices are located on the main floor with conference rooms on the second floor. A large work room on the ground floor furnishes ample space for addressing and duplicating machines.

BREIDENBAUGH SCIENCE HALL, a large brick building of colonial design on North Washington Street, is occupied by the Departments of Chemistry and Physics and the College Radio Station, WWGC. The building was completed in 1927.

The Chemistry Laboratories occupy the north and central portions of Breidenbaugh Science Hall. General, qualitative, quantitative, organic, and physical chemistry have separate laboratories and stock rooms equipped with essential apparatus and supplies.

The departmental library, also in Breidenbaugh Hall, contains a substantial reference section adapted to nearly all branches of chemistry, and new books are constantly being added. The department subscribes to some twenty-five scientific periodicals, including the *Journal of the American Chemical Society*, *Chemical Abstracts*, the *Decennial Indices*, and a number of French and German publications.

The Physics Laboratories, in the south and central portions of Breidenbaugh Science Hall, are equipped with modern apparatus for elementary and advanced laboratory work in mechanics, heat, optics, electricity, electronics, atomic and nuclear physics. A six-foot Paschen Mounting Grating Spectrometer mounted on concrete pillars is available for research in atomic spectroscopy. Also included in the lab-

oratories is a shop equipped with precision tools for the construction of special apparatus.

The departmental library is well provided with books in all fields of physics, including the classical works, current references, and all essential journals.

BRUA HALL, erected in 1889-90, is a memorial to the parents of the late Col. John P. Brua, U.S.A. The building is used for plays, lectures, concerts, and other occasions requiring a large auditorium.

Through the generosity of the Woman's League of Gettysburg College, a large addition to Brua Hall was erected and made available to the Music Department in 1951. The Woman's League in 1958 provided additional funds for the reconstruction of Brua Hall.

CHRIST CHAPEL, completed for daily chapel services in September, 1953, stands opposite Weidensall Hall. The Chapel constitutes the visible center of the religious life of the campus and a memorial to the devotion of the many friends of the College whose gifts made its erection possible.

There are nine classrooms, an art studio, and the offices of the Departments of Fine Arts, German, and Sociology and Social Work in the basement of the Chapel.

COLLEGE BOOK STORE, situated at the intersection of Stevens and North Washington Streets, dispenses textbooks and accessories. It is owned and administered by the college. It was erected in 1939.

EDDIE PLANK MEMORIAL GYMNASIUM, a large Georgian structure completed in 1927, fulfills the functions of a gymnasium, social hall, armory, and auditorium. The lower floor is occupied by the rifle range and other facilities of the ROTC, locker and dressing rooms, and showers. On the main floor are the gymnasium proper, a stage, and the offices of the Department of Physical Education. The Department of Military Science and Tactics occupies offices in the gallery.

GLATFELTER HALL, erected in 1888-89 and named in honor of the late P. H. Glatfelter of Spring Grove, Pennsylvania, a former trustee, was extensively remodeled in 1929 by means of a generous gift from a friend of the College. The building is fire-resistive throughout.

The first floor of Glatfelter Hall is occupied by the College Administration, the Departments of Mathematics, Latin, and Psychology. The Departments of Bible, History, Philosophy, Greek, and English have their offices and classrooms on the second floor. On the third floor are the Departments of Economics, Education, and Biology. Classrooms of the Department of Military Science and Tactics are in the basement.

The Biological Laboratories in Glatfelter Hall are equipped with carefully selected materials and apparatus necessary for both the elementary and the advanced courses in the biological sciences.

The reading room of the Biology Department is provided with current biological journals and essential reference works, to which additions are continually being made. This room is also used for the meetings of the Seminar and other small groups.

A temporary structure, attached to the west side of Glatfelter Hall and known as the Annex, provides four auxiliary classrooms.

HANSON HALL, a new dormitory for 104 girls, was opened for occupancy in the fall of 1950, and dedicated in honor of President Emeritus and Mrs. Henry W. A. Hanson. It contains an apartment, two snack kitchens, five sorority rooms and lounges, and an apartment for the Head Resident.

HUBER HALL, a building of colonial design fronting on Carlisle Street, is a dormitory for women students with two recreational lounges and an apartment for the Head Resident.

THE INFIRMARY, on West Lincoln Avenue, provides for the isolation of contagious diseases, as well as the usual medical services. It is served by four nurses, under the supervision of a medical director.

THE LIBRARY contains about eighty thousand volumes, including essential reference works and a serviceable collection of pamphlets, periodicals, and pictures. A number of valuable gifts of books have been received over the years; funds are available to meet the special needs of each department; and the general collection is being constantly increased.

The present building, Georgian in style, was opened to the students in the fall of 1929. It has a book capacity of one hundred thousand volumes and a seating capacity of three hundred readers. It contains



reference and general reading rooms, seminar rooms, ample stock space, and accommodations for the library staff.

MCKNIGHT HALL, erected in 1898 and named in honor of Harvey W. McKnight, fourth President of the College, is a three-story dormitory accommodating about fifty students. In the summer of 1949 the interior of this building was completely renovated. In 1959 it will be changed to a language building.

OSOGA LODGE, a rustic cabin located in the South Mountains some twenty miles north of Gettysburg, serves as a scenic retreat for student and faculty groups. Two nearby lakes and a mountain creek enable college groups to enjoy boating, swimming, fishing, and other seasonal activities.

PENNSYLVANIA HALL, "Old Dorm," erected in 1836-38 and used as a hospital during the famous battle, was remodeled and improved in 1889, and again in 1925. It contains eighty-five rooms for students, some of them *en suite*, so that those who desire may have separate study and sleeping rooms.

THE PRESIDENT'S HOUSE, built in 1915, is situated on the campus at the intersection of Stevens and Carlisle Streets.

STEVENS HALL, on Carlisle Street, was refurnished by the Woman's League for the use of women students. There are accommodations for forty-eight girls, an apartment for the Head Resident, a living room, and a study room. The building was erected in 1868.

STINE HALL, a new three-story dormitory for men, located on Nixon Field northeast of the Plank Gymnasium, was opened for occupancy at the beginning of the second semester of the 1955-1956 school year.

This modern structure of brick and concrete, with tile floors throughout, accommodates 134 students.

It honors the memory of Dr. Charles M. A. Stine, '01, a former vice president of the E. I. duPont de Nemour Company in charge of research, a nationally famous chemist and long-time chairman of the Board of Trustees.

Funds for the completion of Stine Hall were provided by alumni and friends through the efforts of the Office for Development.

WEIDENSALL HALL, a colonial brick structure on North Washington Street, is the home of the Student Christian Association. The original building was erected in 1923 by the Woman's League of Gettysburg College and named in honor of Robert Weidensall, LL.D., Class of 1860, a pioneer in the work of the YMCA. In the reconstruction which followed the fire of 1946, it was greatly enlarged; and it now contains a large center hall, an auditorium, a tiled swimming pool, a lounge for students, recreation and browsing rooms, a snack bar, and the offices of the SCA, the Chaplain, the Bursar, and the *Gettysburgian*.

THE WHITE HOUSE, long used as the home of the president of the College, and later as the home of the chaplain, was erected in 1860. This building, situated on the campus, just southeast of Glatfelter Hall, now houses the Dean of the College, the Admissions Officers, the offices of Political Science Department, and the Romance Language Department.

ADDITIONAL BUILDINGS, all located on the central campus, are the Business Office, four fraternity houses, a janitor's home, the heating plant, and certain temporary buildings.

TWO NEW MEN'S DORMITORIES completed in September, 1957, accommodate 128 students each. They are located along West Lincoln Avenue and with Stine Hall and Science Hall, form an attractive quadrangle.

THE NEW DINING HALL was completed and placed in operation in February, 1958.

TWO NEW WOMEN'S DORMITORIES completed in September, 1958, and located between Hanson and Huber Halls, accommodate 130 students each. Both units have ample lounges and apartments for the Head Residents.

ONE NEW MEN'S DORMITORY to be completed in 1959 is located along West Lincoln Avenue to the west of the Student Union Building. This dormitory will house 128 students.

THE STUDENT UNION BUILDING to be completed in 1959 is located along the south side of West Lincoln Avenue across the street from the Dining Hall. This building will contain a ballroom with seating capacity of 2,000, a large swimming pool with complete locker facilities

and spectators' stands, the student post office, the book store, the re-located "Bullet Hole" snack bar, *The Gettysburgian* office, lounges, game and meeting rooms and the college radio station.

### Athletic Fields

MEMORIAL FIELD, lying west of the Eddie Plank Memorial Gymnasium, is a combination field for football and track.

IRA PLANK MEMORIAL BASEBALL FIELD, lying northwest of Eddie Plank Memorial Gymnasium and containing a diamond with 400-foot foul lines, is devoted exclusively to intercollegiate baseball.

INTRAMURAL FIELD, north of Broadway, contains four clay and four rubico composition tennis courts and soccer, lacrosse, softball, and football fields.

GIRLS' HOCKEY FIELD, lying just south of the Eddie Plank Gymnasium, is a new hockey and intramural athletic field for girls.

# College Expenses

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## Comprehensive Fee

Gettysburg College operates under the comprehensive fee plan for the regular school year. The student pays an all-inclusive fee which covers all academic expenses except books and private lessons in music. Under such a system every student and every parent will know well in advance the exact amount of each year's College expense.

The comprehensive fee allows a student to take from 10 to 18 credit hours each semester. Anyone pursuing studies which total more than 18 credit hours per semester must pay \$25.00 for each credit hour above the 18 hours allowed.

Comprehensive Fee ..... \$1,000.00

## Board

College Dining Hall ..... \$400.00

## Room Rents

New Women's Dormitories .....	\$250.00
Hanson Hall .....	240.00
Huber Hall .....	200.00
Pennsylvania Hall (Old Dorm) .....	200.00
Rooms in private homes .....	160.00 to 265.00
Stevens Hall .....	200.00
Stine Hall .....	240.00
New Men's Dormitories .....	240.00



### Total Yearly Expenses

	<i>Minimum</i>	<i>Liberal</i>
Comprehensive Fee .....	\$1,000.00	\$1,000.00
Board .....	400.00	400.00
Room (dormitory) .....	200.00	250.00
Books and Stationery (estimated) ..	100.00	150.00
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Estimated total cost for college year	\$1,700.00	\$1,800.00

The above tabulation does not include laundry and personal expenses, such as clothing, spending allowances, fraternity dues, and transportation.

### Part-Time Students

Any student taking a program of less than 10 semester hours is considered a part-time student, and does not pay the comprehensive fee. The following rates apply for part-time students:

Tuition (per semester hour) .....	\$27.50
Laboratory fee (per semester, each) .....	17.50
Library fee (per semester) .....	4.00
Registration fee (per semester) .....	5.00

Part-time students do not receive admission tickets to intercollegiate athletic programs, nor do they participate in the health service or in student-sponsored activities unless they pay a fee of \$100.00 per year.

### Payment of Bills

All College bills are due and must be paid in full before registration each semester. Each student will be billed for one-half of the yearly comprehensive fee, room rent and board charge before the beginning of each semester. Checks should be made payable to Gettysburg College and sent to the Bursar, Gettysburg College, Gettysburg, Pennsylvania.

The Veterans Administration will pay the comprehensive fee and cost of books and supplies within the legal limits for veterans attending College under the provisions of Public Laws 16 and 346. Gettysburg College has entered into a contract with the Veterans Administration whereby veterans attending College under the provisions of Public Law 550 (the Korean G.I. Bill) are eligible to receive monthly amounts from the Veterans Administration in accordance with the scale established by the Law.

No student will be permitted to be graduated, or receive a transcript of record or statement of honorable dismissal until all financial obligations to the College and community have been met.

### **Insured Tuition Payment Plan**

The Insured Tuition Payment Plan of Boston is a combination of a prepayment installment plan covering four years of College expenses, and an insurance policy guaranteeing payment for completion of the four years in the event of the death of the person financing the student's education. It is available to all entering students through Mr. Richard C. Knight, 112 Water Street, Boston 9, Massachusetts. Parents may write directly to Mr. Knight for information and contract. The Dean of Admissions will mail a brochure of information to all new students on or before June 1 of each year.

### **The Tuition Plan, Incorporated**

Gettysburg College makes available to parents who find it necessary or more convenient to pay in monthly installments, a source of credit, The Tuition Plan, Inc., of One Park Avenue, New York 16, New York. This plan is a lending agency and should not be confused with the Insured Tuition Plan.

Through The Tuition Plan, Inc., contracts may be negotiated covering one, two, three or four years' College expenses with payments spread over 8, 20, 30 or 40 months respectively, with the multiple year plan including the benefits of Parent Life Insurance. Information describing this plan will be mailed to all students during the summer months.

### **Board**

All women students, except those living at home, are required to take their meals in the College Dining Hall.

All entering Freshman men are required to take their meals in the College Dining Hall.

### **Refunds**

No refunds of the comprehensive fee will be made after the first week of any semester except where a student has had to withdraw because of serious illness or call by Selective Service, in which case the fee will be refunded on a proportionate basis.

No refund of the board fee may be made unless authorized by the Business Manager.

Room charges are refundable only if a student leaves College because of serious illness, or call by Selective Service, or finds a replacement who is willing to assume the remaining charge.

Veteran credits will be made in accordance with existing Veterans Administration regulations.

### **Transcripts**

Each student is permitted one free transcript of his full record upon graduation or withdrawal from College. Anyone desiring more than one must send his request to the Registrar and enclose payment of \$1.00 for each additional transcript requested.

### **College Book Store**

The Book Store is operated by the College for the convenience of the students. Since it is operated on a cash basis, all students should be provided with \$50 to \$75 in cash each semester to purchase necessary books and supplies.

# Admission of Students

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Although Gettysburg College has expanded its facilities to provide a liberal education for an increased number of students, it believes that its purposes can best be achieved if it maintains its character as a small church-related school. The stated requirements for admission are designed to enable the College to select students who will contribute to and benefit from such a College community.

## Requirements for Admission

The *Committee on Admissions* considers each applicant individually, using as its principles of selection the following:

1. Evidence of good character and acceptable social habits.
2. Evidence of academic attainment and ability, especially facility in the use of the English language and the understanding of fundamental mathematical processes.
3. Acceptable scores on the Scholastic Aptitude Tests of the College Entrance Examination Board.

The Committee relies upon the secondary school record, examination results, personal interviews, and recommendations from the school, alumni, and friends of the College for its basic information. While the College places greater emphasis upon the quality of the student's work in secondary schools than upon the exact distribution of the subjects taken, it makes the following general recommendations for the guidance of students looking toward college admission:

Graduation from and recommendation by an approved secondary school with completion of 16 Standard High School Units as follows:

<i>Required:</i>	YEARS
English .....	4
Elementary Algebra .....	1
Plane Geometry or Intermediate Algebra .....	1



<i>Recommended:*</i>	YEARS
Natural Science .....	2
History .....	2
Foreign Language .....	2

*Optional:*

Additional electives to fill the graduation requirement from Mathematics, Natural Science, History, Social Studies, and Foreign Language. Not more than three units in vocational or commercial subjects are acceptable.

Students in the Armed Forces may, in certain circumstances, earn entrance units through an educational training program in service, through United States Armed Forces Institute Courses, or through the General Educational Development Tests.

**Entrance Examinations**

Gettysburg College requires that all candidates for admission take the Scholastic Aptitude Tests (the Morning Program) of the College Entrance Examination Board. The College may require some individually specified candidates to take the Achievement Tests (the Afternoon Program).

Those who wish to be considered for early offers of acceptance should take the tests during their Junior year, preferably in March or May, but tests taken in August or December following the Junior year are satisfactory. Gettysburg College recommends that all applicants who take tests during the junior year have the scores forwarded to the College. Although the average students will improve their scores on the examinations taken during the Senior year, about one-quarter make lower scores. Gettysburg College considers the *higher* of the scores both for admission and for recording on personnel records.

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\*In addition to the general recommendations for all prospective students, the following special ones should be noted:  
Students who plan to major in either physics or chemistry should, if possible, take the optional courses in mathematics and natural science.  
Students who plan to major in a foreign language should have at least two years of preparation in each of two foreign languages.

High School principals and guidance counselors usually have complete information and application blanks for the tests of the College Entrance Examination Board. However, any student may receive direct information, application forms, and sample tests by writing to the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey, or Post Office Box 9896, Los Feliz Station, Los Angeles 27, California. These tests are available at widely distributed centers throughout the United States on the following dates: May 16, 1959; August 12, 1959; December 5, 1959; January 9, 1960; February 6, 1960; March 12, 1960; May 21, 1960; and August 10, 1960.

### **Application for Admission**

A student desiring to enter Gettysburg College from high school or preparatory school should secure an "Application for Admission" form from the Office of the Dean of Admissions. After the student has supplied the information called for on pages three and four of that form, he should ask the proper authorities of his school to complete pages one and two and forward it to the Admissions Office. Regulations governing admission of applicants who have attended another college are stated in the section "Admission with Advanced Standing."

A fee of \$10.00 must accompany the "Application for Admission." This fee is non-refundable and is used to defray, in part, the costs of processing the application. A student may present an "Application for Admission" at any time after the completion of the Junior year in high school.

### **Offers of Acceptance**

#### ***Early Offers***

Applicants with superior qualifications may be offered acceptance on the bases of the three-year secondary school record and the results of the Scholastic Aptitude Tests of the College Entrance Examination Board taken during the Junior year, preferably in March or May. These early offers of acceptance are intended primarily for those applicants who have made a decision on their college. Those qualified students who do not wish to make a final decision on college until after March 1 of their Senior year are advised to seek consideration under the regular acceptance plan. The early offer of acceptance is binding on the College only when the applicant makes a *non-refundable* advance payment to Gettysburg College.

### *Regular Offers*

Most of the offers of acceptance are announced about March 1, after the applicant has presented Senior College Board scores and Senior mid-year grades. The College reserves the right to cancel an offer of acceptance unless the candidate makes an advance payment of \$100.00 within fifteen days of the date of acceptance. The advance fee made to validate a regular offer of acceptance is refundable up to May 1 of the student's entering year.

### **Advance Payments**

No exceptions in the rules for refunds under either the *Early* or *Regular* Acceptance Plans can be made except through a previously made contractual agreement with the Dean of Admissions.

Of the advance payment, \$75.00 is credited to the first semester's bill. The remaining \$25.00 is held as a deposit against minor charges such as laboratory breakage. Any unused portion of this deposit returns to the student when he graduates or leaves school.

Successful applicants for the February or June terms may be refunded the \$100.00 advance fee, if they withdraw sixty or more days before the beginning of the term for which they are accepted.

### **Dormitory Room Reservation**

Dormitory room preference is given to students in the order of the receipt of the advance fee. Since there is some difference in the desirability of dormitory rooms, it is to the student's advantage to make the advance payment promptly. No room reservation can be made until the advance payment has been made.

### **Admission with Advance Placement**

Gettysburg College participates in the Advanced Placement Program of the College Entrance Examination Board. Advanced placement or credit may be granted to students who have performed satisfactorily in college level courses in secondary school and on the advanced placement examination.

The Advance Placement Examinations are administered May 11 through 15, 1959, at centers as announced by the College Entrance Examination Board.

Students who have completed approved accelerated programs may be considered for admission with advance placement upon the recommendation of the secondary school.

The College sometimes accepts for credit college level United States Armed Forces Institute courses validated by examinations and accepts some service school courses approved by "A Guide to the Evaluation of Educational Experiences in the Armed Forces."

### Admission of Transfer Students

A student is eligible to transfer to Gettysburg College only if he is entitled to an honorable dismissal without social or academic probation from another college. A transfer student must present an official transcript from any or all colleges or universities attended, as well as the official "Application for Admission" form showing his high school record.

Transfer credits are granted for work done with a grade of C or better in approved colleges and universities if the courses taken fit the curriculum to be followed at Gettysburg. All academic credit for courses transferred is granted tentatively until the student has satisfactorily completed one year of work at Gettysburg College. All transfer students must meet the course requirements demanded of all members of the class into which they transfer.

A student admitted as a Sophomore after one year of residence at another college must complete at least *ninety* academic hours to meet the requirements for graduation. In addition, he must meet the Sophomore requirement in physical education or military science and all general requirements imposed upon other members of the Sophomore class. A student admitted as a Junior after two years of residence at another college must complete at least *sixty* academic hours at Gettysburg College to meet the requirements for graduation and meet all general requirements imposed upon other members of the Junior class. A student, regardless of credit grants or years of residence at another college, must complete at least *thirty* semester hours at Gettysburg and one full year of attendance in order to receive a degree from Gettysburg College.

All transfer students entering as Freshmen or first semester Sophomores are required to take General Education 1 and 2. All transfer



students entering as second semester Sophomores or first semester Juniors are required to take General Education 2.

No credit is granted for extension courses, correspondence courses, or courses in non-accredited institutions.

### **Admission at the Beginning of the Second Semester**

Freshman and transfer students may be admitted at the beginning of the second semester. Methods and requirements for admittance are the same as for those students entering at the beginning of the regular school year in September.

### **Admission to the Summer Session**

Students who are candidates for degrees at Gettysburg College are admitted to the Summer Session under the same methods and requirements as those which apply to students entering in September.

Students who are candidates for degrees from other colleges may enter the Summer Session upon the certification of the Deans of those institutions that the applicants are *bona fide* students in the institutions and that the courses taken at Gettysburg College will be transferred if they are passed with certifying grades.

Others applying for admission to the Summer Session *only* may be accepted upon presentation of official evidence of preparation to meet the regular admissions requirements. A special admissions form is available from the Admissions Office.



# Registration

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## The Registration System

Since there are few fixed curricula at Gettysburg College, most students work out with their advisers the curricula best suited to their individual needs. Course selections are limited by the general requirements for graduation and by the requirements of each department. The registration system seeks to coordinate advisement with the formal course registration.

## Spring Registration

Preliminary registration of old students for the following academic year and final registration of those who will attend the summer session are held before the end of the second term. Detailed registration plans are announced in the campus newspaper, the *Gettysburgian*.

## Summer Session Registration

Old students register for the Summer Session at the time of the Spring Registration.

New students register the first day of the session at the time and place designated in the Summer Session *Bulletin*.

## Pre-Registration of New Students

Freshmen entering in September make out a tentative schedule of courses through individual conference or through correspondence with the Dean of Admissions during the month of August. The office then prepares the official forms and schedules, which are turned over to the students' advisers for further study.

For new students entering with advance standing, the Dean of Admissions prepares evaluations of transfer credits and statements of remaining requirements for graduation. One copy goes to the student and another to the adviser.

### September Registration

New students meet with their advisers during Orientation Week before registration. Any change in pre-registration schedule may be discussed with their adviser.

Upperclassmen will complete their final registration at a specified time during Orientation Week. The Dean of Students announces the schedule of registration in a letter to each student.

### February Registration

Students registered in September make a supplementary registration in February before beginning second semester classes.

New students entering in February make out schedules and register on the announced registration date.

### Registration Rules

1. Every student in college is required to pay a fee of \$50.00 at Spring Registration. This amount to be deducted from the student's first semester college bill. No refunds will be made after July 1.
2. Each student must register officially at the specified time and place for all the courses he expects to enter. Late registration is penalized by a fine of \$5.00 unless excused by the *Scholastic Standing Committee*.
3. No student may receive credit for a course unless he is properly registered for that course.
4. A student who fails to complete a course for which he has registered and from which he has not officially withdrawn automatically receives an F on his permanent record.
5. A change of registration fee is charged for each change in course made at the request of the student after the regular registration dates as specified in the catalog or by special bulletin.
6. A student who receives an F in the first semester of a year's course may not continue that course during the second semester without the consent of the department concerned.
7. The College reserves the right to withdraw or discontinue any course for which an insufficient number of students have registered. In such an event, no fee will be charged for transfer to another course.

# Curriculum

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Gettysburg College believes that all students should have a broad liberal education. To attain that end the College requires certain specific courses in the Freshman and Sophomore years and makes a general requirement for distribution and concentration of subject matter to be completed before graduation. See pages 46-47.

Because of this dominantly liberal purpose, most students earn the degree of Bachelor of Arts, regardless of their field of major or specialized study. Majors in Music Education and some majors in Health and Physical Education qualify for the degree of Bachelor of Science. See pages 49-50.

Each department has worked out suggested curricula to assist students in selecting courses to meet certain objectives. Beyond the above-mentioned requirements and suggestions, each individual has complete freedom to select those courses which he feels will give him the best possible education.

## Advisers

When a student registers as a Freshman, he is assigned to a Faculty Adviser with whom he should consult regarding all academic matters and from whom each semester he must secure approval of his study list. Before the spring registration in his Freshman year, he is expected to choose his major field of study. The head of the department in his major subject will then become his adviser, and throughout the remainder of his college course the student will consult with him and secure his approval of his study list.

If, at the time of the spring registration, a student has not yet chosen his major field of study, or has not attained a scholastic average that would justify his acceptance as a major in the department of his choice, he may select as his temporary adviser, the head of the department in which he would like to major. If his work in the department later improves, he may then be accepted as a major.

All students who intend to do graduate work should communicate this fact as early as possible to the heads of the departments in which they are majoring in order that they may be sure of meeting all the requirements for graduate study.

### Courses and Credits

The amount of credit given for each course is specified in terms of *semester hours*. A *semester hour* of college work consists of one hour a week of lectures or classwork, or two or three hours of laboratory work (or laboratory work combined with classwork) a week for one semester. The normal assumption is that the student will do at least two hours of study in preparation for each hour of classwork.

No credit for one semester of a year's course may be granted except by written departmental approval which is to be filed with the office of the Registrar.

### Schedule Limitations

The usual schedule is 15 or 16 semester hours, in addition to basic ROTC or Physical Education. With the permission of his faculty adviser a student, during his Freshman or Sophomore years, may carry 12 to 16 semester hours, in addition to basic ROTC or Physical Education. During his Junior or Senior year he may carry, with the permission of his department adviser, from 12 to 18 semester hours. Semester schedules of more than 18 hours will be permitted only with the special approval of the Dean.

### Requirements for the Degree of Bachelor of Arts

The degree of Bachelor of Arts may be conferred upon the student who completes 128 semester hours of work.

Additional hours may be required for individual students according to rules established by the Faculty. In addition to the hours required, students must earn at least as many quality points\* as there are hours required for their graduation. No student may be graduated with a quality-point average of less than 1.00 in his major subject.

A student registered at Gettysburg College will not obtain credit for courses taken in other colleges during the summer unless such courses have first been approved by the head of the department concerned.

All candidates for the degree of Bachelor of Arts must complete courses necessary to meet the distribution and concentration requirements listed below. All candidates for the bachelor's degree must also pass a comprehensive examination in their major field of study. See page 47. Beyond the distribution and concentration requirements, each

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\*See "Grading System," page 58.



student has complete freedom to select those courses which he feels will give him the best possible education. Detailed Freshman and Sophomore programs listed on page 48 show how the distribution requirements are normally met during the first two years.

### Distribution Requirements for All Students

<i>Subjects</i>	<i>Semester Hours</i>
English A .....	6
Bible 1 .....	6
General Education 1 .....	6
General Education 2 .....	6
Military Science or Air Science or Physical Education— 2 semester hours per semester for two years .....	8
Foreign Language 6 semester hours above the "A" course in one, or if the student enters without the equivalent of the "A" course, then 12 semester hours .....	6-12
Philosophy, Pol. Sci. and Econ., History, Psychology, So- ciology 6 semester hours in one .....	6
Literature* 6 semester hours in one .....	6
Science: Biology, Chemistry, Physics 1 full year course in one .....	8
Second science or mathematics or a second language above the "A" course 1 full year course in one; if the student elects a second language without the equivalent of the "A" course, then 12 semester hours .....	6-12
Appreciation courses† in two departments .....	4
Senior Comprehensive Examination .....	—
Average total for distribution .....	68-80

\*Refer to the introductions of respective departments under "Courses of Instruction" for the listing of literature courses.

†These four hours may be selected in two different departments from Fine Arts 1, 2, 3, 4, 7 and Music 1, 2, 3.



### Concentration Requirements for All Students

24 semester hours above "A" courses in a major.

12 semester hours above "A" courses in a minor.\*

As early as possible each student should select his major subject. In addition, he should select with the approval of his major adviser a minor subject in an area related to his major field of study.

With the permission of the major adviser, a second major or minor may be selected no later than the beginning of the Senior year, the approval of the head of the second department having been received. A second major may be entered on College records if all requirements of both departments, including comprehensive examination requirements, are met.

### Comprehensive Examinations

Every candidate for the bachelor's degree is required to pass a comprehensive examination in his major field of study.

This comprehensive examination is intended to test the depth of the student's knowledge of the subject matter in his major field; to determine his abilities to assimilate, to analyze, and to apply the leading ideas developed in this subject; and to serve as a challenge, throughout his college course, to integrate the entire work of his chosen field of study. The comprehensive examinations are graded "passed," "passed with honors," or "passed with highest honors," and these grades are placed on the student's permanent record.

The comprehensive examinations consist of two three-hour written examinations plus either a third three-hour written examination or an oral examination, as determined by the department. The examinations are scheduled as follows:

1. For February graduates, during the first week following the Christmas vacation.
2. For June and August graduates, during the first week of May.

The exact dates of examination are published in the Calendar of this catalog.

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\*This is interpreted to mean two full year courses or the equivalent if the minor is in a laboratory science. Courses in the department of Education and the department of Fine Arts may be counted for a minor but are not accepted for a major.

### Requirements for Teacher Certification

In addition to qualification for the degree of Bachelor of Arts, the student may qualify for certification to teach in secondary schools by completing the requirements described on pages 104-106. For certification requirements in Health and Physical Education and Music Education see pages 49-51.

### Requirements for Military Commission

A student who has successfully completed the advanced courses in Air Science or Military Science may qualify for a reserve commission in the Air Force or the Army in the rank of Second Lieutenant. For a detailed description of opportunities and requirements for commissions, see page 145.

### Required Freshman Program

<i>Subjects</i>	<i>Semester Hours</i>
General Education 1 .....	6
English A .....	6
Bible 1 .....	6
Language* .....	6
Mathematics, or Economics 1 and 2, or a Science, or a second language, or Psychology 1, or Music 7 .....	6- 8
Military Science or Air Science or Physical Education .....	4
<b>Total</b> .....	<b>34-36</b>

### Required Sophomore Program

<i>Subjects</i>	<i>Semester Hours</i>
General Education 2 .....	6
Military Science or Air Science or Physical Education .....	4
At least two courses selected from the following: Language Mathematics, Science, or second Language .....	12-16

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\*Science and mathematics majors may postpone language to take both a science and mathematics.

Two electives with at least one from the following: History, Philosophy, Political Science, Psychology, Sociology .....		12
Total .....		34-38

Education courses for those who plan to teach should be included in electives.

The Sophomore course in the student's major must be included in the required subjects or in the electives.

**Junior and Senior Program**

All required courses listed in the Freshman and Sophomore programs which have not been completed by the end of the Sophomore year must be included in the Junior program. It is recommended, in the interest of a well-balanced education, that the Junior program contain at least two courses each semester outside the group in which the student's major falls, and that the Senior program contain at least one course each semester outside the group in which the student's major falls.

Transfer students accepted as upperclassmen are subject to the same requirements as are all other students. When similar courses accepted as transfer credit can be used as substitutes for the required courses, the Dean of Admissions will notify both the students and their advisers of the official advance credit evaluation.

Transfer students accepted as first-semester Sophomores are required to take General Education courses 1 and 2. Second-semester Sophomores and first-semester Juniors are required to take General Education course 2.

**Requirements for the Degree of Bachelor of Science  
in Health and Physical Education**

For those who wish to meet all the requirements of teacher certification in Health and Physical Education, the following curriculum leading to the degree of Bachelor of Science in Health and Physical Education is available. Students completing this curriculum may be certified to teach both Health and Physical Education, and General Science.

Freshman Year	Hrs.	Sophomore Year	Hrs.
Bible 1a, b	6	Psychology 1	3
English A	6	Health and Physical Education 2,	15
Physical Education 1	4	5, 6, 10, 11	6
Military Science or Air Science 1	4	Military Science or Air Science 2	4
Biology 1	8	Education 1, 5	6
General Education 1 or 2	6	Electives	6
Total	34	Total	34
Junior Year	Hrs.	Senior Year	Hrs.
Chemistry or Physics 1	8	History	3
Education 6	3	Health and Physical Education 4,	10
Military Science or Air Science 3	6	17, 21, 22	6
Health and Physical Education 3,	16	Military Science or Air Science 4	9
12, 13, 14		Education 10, 11	8
Total	33	Total	36

All students in this curriculum must complete 137 hours to meet graduation requirements. Those students who do not take ROTC are strongly advised to complete the Health and Physical Education Curriculum leading to the degree of Bachelor of Arts.

The Senior Comprehensive Examinations are required.

### Requirements for the Degree of Bachelor of Science in Music Education

The following curriculum is offered as a guide to those who wish to meet the requirements necessary to teach or supervise music in the elementary or secondary schools. Upon completion of this course of study a student will be granted a Bachelor of Science degree in Music Education. He will also be qualified to receive a Pennsylvania Provisional College Certificate to be issued by the State Department of Public Instruction.

Freshman Year	Hrs.	Sophomore Year	Hrs.
Bible 1a, b	6	Speech	4
English A	6	Literary Foundations	6
Biology 1a, 11 or 12	4	Education 1	3
Physics (Acoustics)	3	Physical Education (Eurythmics)	1
Physical Education	3	Psychology	3
Music 10	4	Music 7	6
Instrumental Class	2	Music 11	2
Music Appreciation	2	Instrumental Class	2
Applied Music	4	Music 14	4
Total	34	Applied Music	3
		Total	34



Junior Year	Hrs.	Senior Year	Hrs.
History 6 .....	6	Education 10 .....	3
Education 5 .....	3	Sociology or Philosophy .....	3
Music 8 .....	6	Music 13 .....	2
Music 6 .....	6	Music 16 .....	2
Music 18 .....	3	Music 20 .....	2
Music 19 .....	2	Student Teaching .....	12
Instrumental Class .....	2	Applied Music .....	2
Applied Music .....	4	Elective .....	4
Total .....	32	Total .....	30

### Cooperative Forestry Program

Gettysburg College offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Arts degree from Gettysburg College and the professional degree of Master of Forestry from the Duke School of Forestry.

A student who elects to pursue this curriculum spends the first three years in attendance at Gettysburg College. Here he obtains a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry. Such an education does more than prepare a student for his later professional training; it offers him an opportunity to develop friendship with students in many fields, expand his interests, broaden his perspective, and fully develop his potentialities.

The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry. Since Duke University offers forestry courses only to senior and graduate students, the student from Gettysburg College will find himself associating with a mature student body. He will be well prepared for further personal and professional development.

Candidates for the forestry program should indicate to the Dean of Admissions of Gettysburg College that they wish to apply for the Liberal Arts-Forestry Curriculum. Admission to the College is granted under the same conditions as for other curricula. At the end of the first semester of the third year the College will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his academic record at Gettysburg. No application need be made to the School of Forestry before that time.

There is no fixed major or rigid curriculum requirement for the three



years at Gettysburg. However, the College recommends that students in the Forestry program come under the advisement of the Biology Department and use the following as a guide:

### Pre-Forestry Curriculum at Gettysburg College

First Year	Hrs.	Second Year	Hrs.
English A .....	6	General Education 2 .....	6
General Education 1 .....	6	General Chemistry 1 .....	8
Biology 11 .....	4	Foreign Language 1 .....	6
Biology 12 .....	4	Economics 3 .....	6
Mathematics B or 2 .....	6	Electives .....	6
Bible 1 .....	6	Physical Education or ROTC .....	4
Physical Education or ROTC .....	4		
Total .....	36	Total .....	36

Third Year	Hrs.
Foreign Language 2 or English Literature .....	6
General Physics 102 .....	8
Appreciation Courses .....	4
Biology 24a or 24b or both .....	3
Biology 25 or 26 .....	3
Electives .....	12
Total .....	36

The technical curricula at the School of Forestry of Duke University are available in duplicated form from the Dean of Admissions, Gettysburg College, or in printed form from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

### Cooperative Engineering Program

The faculties of Gettysburg College and the School of Engineering of The Pennsylvania State University have established jointly an educational program of five years' duration, three in liberal arts at Gettysburg College and two in engineering at The Pennsylvania State University, leading to the award of an appropriate degree from each institution. This cooperative program has been created in an effort to fulfill the following objectives:

1. To provide a student with the advantages of general education in a liberal arts institution as well as technological education in a school of engineering, through five years of study instead of six or more years that might be required if both degrees were obtained separately.

2. To permit a student whose aptitude for engineering may be uncertain, or whose decision between engineering and other disciplines may not yet be made, to study both arts and sciences during the first three years of college, during which time he can better determine whether his major interest and ability lie in the field of engineering.
3. To provide a student with a planned sequence of liberal arts courses which, if completed successfully, will guarantee him acceptance at an engineering school at times when student applications to such schools might exceed their capacity.
4. To permit qualified students to receive both a liberal and a technical education at relatively low cost and thus provide the Commonwealth and the nation with more critically needed trained engineers.

The counseling, admission, and transfer of students in this cooperative program are conducted through the following procedures:

1. A student indicates his desire to follow the 3-2 cooperative program at the time of his admission to Gettysburg College. He is enrolled in the Pre-Engineering curriculum under the supervision of the Physics Department.
2. At the end of the second semester of the third year, a student becomes a candidate for transfer if he has successfully completed all prerequisite courses, has maintained an over-all average of "C," and is recommended for transfer by the faculty of Gettysburg College.
3. A student recommended for transfer is eligible to enter any of the following engineering curricula with junior standing:

Aeronautical Engineering	Electrical Engineering
Civil Engineering	Industrial Engineering
Sanitary Engineering	Mechanical Engineering

This program does not prepare the student for transfer to any other technical curricula at The Pennsylvania State University.

4. The individual courses of study in each curriculum for the work at The Pennsylvania State University can be obtained from the Dean of Admissions at Gettysburg College.

5. A student may choose between taking Physical Education or ROTC. However, after having taken one semester of ROTC, he must complete the basic four semester course in ROTC, at either Gettysburg or Pennsylvania State University.
6. Detailed information about the requirements for admission and the curriculum of this combined program may be obtained from the office of the Dean of Admissions of Gettysburg College.

### The Three-Year Pre-Engineering Curriculum at Gettysburg College

Freshman Year	Hrs.	Sophomore Year	Hrs.
Mathematics 2 (or 4) _____	6	Mathematics 6 _____	6
English A _____	6	General Education 2 _____	6
General Education 1 _____	6	Literature _____	6
Bible 1 _____	6	Physics 102 _____	8
Language 1 _____	6	Psychology 1 _____	3
Physical Education or ROTC _____	4	History 5 _____	3
Descriptive Geometry _____	2	Physical Education or ROTC _____	4
Engineering Drawing _____	2		
Total _____	38	Total _____	36

Junior Year	Hrs.
Mathematics 9A _____	4
Mathematics 9B _____	4
Physics 4 _____	6
Physics 13 (or 3a) _____	3
Economics 3 _____	3
Speech 1, 2 _____	4
Chemistry 1 _____	8
ROTC <sup>o</sup> _____	6
Total _____	32-38

### Parish Workers Cooperative Plan

Gettysburg College has entered into an arrangement with the Lutheran Deaconess Training School of Ruxton, Maryland, whereby young women planning to enter the full-time service of the church may receive the degree of Bachelor of Arts by attending Gettysburg College three years, then transferring to the Training School for two years of specialized training. It is understood that in order to be graduated, these students must meet all specific course requirements for the degree including the comprehensive examinations in their major

<sup>o</sup>Elective.

field by the end of the three-year period. The work completed at the Deaconess Training School will be accepted as the equivalent of the final year in college.

Detailed information concerning the program at Gettysburg College may be secured from the Dean of Admissions. Information concerning the work of the last two years may be secured from either of the two Lutheran Motherhouses, The Baltimore Deaconess Training School, Boyce Avenue, Ruxton 4, Md., or The Philadelphia Deaconess Training School, 801 Merion Sq. Rd., Gladwyne, Pa.

### **Junior Year Abroad**

Qualified students may apply for permission to spend the Junior year abroad. Arrangements will be made with one of the regularly organized programs such as the Junior Year in France Plan sponsored by Sweet Briar College or the programs sponsored by Smith College. Interested students should consult the Dean before the end of the first semester of their Sophomore year.

### **Washington Semester**

Gettysburg College is one of a number of accredited institutions participating in a cooperative arrangement with the American University in Washington, D. C., known as the Washington Semester plan. It is a program designed to enable a limited number of superior upperclass students in the field of the social sciences to spend one semester at the national capital for a first-hand study of government in action.

During this period, students are brought into direct contact with source materials not accessible in the ordinary library and have the opportunity to interview members of the House, Senate, Supreme Court, and officers of the executive departments and agencies concerning policies, procedures and problems of government. In addition to regular course sessions, students attend seminars and prepare individual research projects in some major area of interest for which full credit is given toward a degree at their home institution.

The Washington Semester should be taken in either semester of the Junior year or the first semester of the Senior year. To qualify, a student must have completed at least one basic course in Political Sci-

ence, have an over-all grade average of B or better, and clearly demonstrate ability to work on his or her own initiative. Applicants need not be majors in any specific subject, although the bulk of Washington Semester students are majoring in Political Science, History, Sociology, or Economics. Information concerning further details of the program may be obtained from the Department of Political Science.



# Rules and Regulations

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## Class Attendance

The College recognizes that regular attendance at all classes for which he is registered is clearly the responsibility of the individual student. Each student is accountable for all work missed because of absences from class and instructors are under no obligation to make special arrangements for students who are absent from a class without official excuse. When absence from class becomes a factor in a student's unsatisfactory work, the instructor will report this to the Dean of Students for remedial action. If a student incurs other absences after being warned, he may be required to withdraw from the course with a failing grade.

Excuses for class absences because of illness will be issued by the College Infirmary. Excuses for other authorized absences such as official College trips will be issued by the Dean concerned.

The last meeting before vacation and the first meeting after vacation in each course must be attended. The minimum penalty for violation of this rule is disciplinary probation.

## Chapel Attendance

Chapel services are held Tuesday through Friday, from 9:50 to 10:15 A.M. Each student is required to attend two services each week. Two unexcused absences are permitted each semester. For each unexcused absence beyond two in any given semester the student will have one semester hour added to his graduation requirement.

## Honor System

Gettysburg College operates under an honor system which includes all academic work both in and out of class.

## Withdrawal from Courses

Changes in schedule may be made without penalty during the first

ten days of each semester. A student who withdraws from a course within the first three weeks of a term will receive a grade of "W."

After the first three weeks a student may drop a course only with the permission of the instructor, the adviser, and the Dean of Students. In such cases the student will receive a grade of "WP" if he was passing the course at the time of withdrawal or a grade of "WF" if he was failing. A student who withdraws from a course during the last five weeks of a term will receive a failing grade regardless of his standing in the course at that time.

### Grading System

Grade	Quality Points	Description
A	3	Excellent.
B	2	Good.
C	1	Fair.
D	0	Poor, but passing.
F	—	Failing.
I	—	Incomplete.
W	—	Withdrew from course without penalty.
WP	—	Withdrew from course with a passing grade.
WF	—	Withdrew from course with a failing grade.

Teachers may modify the various letter grades with plus and minus signs. These signs are placed on the permanent records and reproduced on all transcripts, but are disregarded in all ordinary quality point computations. They are, however, used in all honors computations.

### Conditions and Deficiencies

No credit is given for a subject reported as F or I. An I not removed within the first six weeks after the semester in which the deficiency was incurred, becomes an F, unless the *Scholastic Standing Committee*, because of the student's sickness or for an equally good reason, extends the time for removing the I. An F in a course for the first se-

mester debars a student from the course during the second semester unless the department in which the F is incurred consents to the student's continuance. An F remains on the student's permanent record card and is reproduced on all official transcripts. No student may repeat an elective course which he has failed without the consent of the department concerned.

### Computations

Quality points are allowed according to grade for each semester hour as follows:

$$A = 3, \quad B = 2, \quad C = 1, \quad D = 0$$

When a finer computation is desirable, as in determining honors, the following is official:

$$\begin{array}{llll} A+ = 3 \frac{1}{3} & B+ = 2 \frac{1}{3} & C+ = 1 \frac{1}{3} & D+ = \frac{1}{3} \\ A = 3 & B = 2 & C = 1 & D = 0 \\ A- = 2 \frac{2}{3} & B- = 1 \frac{2}{3} & C- = \frac{2}{3} & \end{array}$$

Grades I, W, and F are disregarded in final quality point computations. For all student-body ratings and for all individual averages issued by the Dean's Office, the grades F and WF are counted as —1.

### Academic Status

The Scholastic Standing Committee reviews student records at the end of each term. When a student's record is unsatisfactory for any semester or when he is failing to make satisfactory progress toward graduation, he may be warned, placed on academic probation, or required to withdraw. A student on probation must show satisfactory improvement during the following semester or he may be required to withdraw.

### Conduct

The Gettysburg College campus is a community of Faculty and Students engaged in a broad program of curricular and extra-curricular activities enriched with informal social relations. It is an adult community of individuals whose responsibility creates an atmosphere of pleasant, satisfying, conscientious effort with minimum restrictions.

The student who fails to contribute to that community or who fails to accomplish the objectives of the group forfeits his right to be a member of that community. Therefore, the College has the right to dismiss any student whose conduct is detrimental to the welfare of the College community or whose attitude is antagonistic to the spirit of its ideals. Such an individual forfeits all student rights and privileges, including all fees paid.

### **Reinstatement**

A student required to withdraw from the College for academic reasons may be reinstated only by petition to the Scholastic Standing Committee and the faculty. A student suspended or required to withdraw from the College for disciplinary reasons may be reinstated only by petition to the Dean of Students.

### **General Rules**

#### **Automobiles**

All students who desire to drive automobiles to, from, or on the Gettysburg College campus are required to register them with the office of the Dean of Men. Limited parking space makes it necessary to regulate driving and parking automobiles on the campus. Neither Freshmen nor Sophomores are permitted to have cars on the College campus or in the community of Gettysburg.

#### **Dormitories**

Dormitory room assignments are made through the offices of the Dean of Men and Dean of Women. Room assignments may not be changed without permission. Room contracts are for one year only.

#### **Student Marriages**

Any student under twenty-one who plans to marry must, at least two weeks before the marriage, satisfy the Dean of Students that the parents or guardians of both parties have consented to the marriage. Students violating this rule will be subject to dismissal.



### **Alcoholic Beverages**

Possession or use of alcoholic beverages on College property, in dormitories, fraternity houses, or at College functions is prohibited.

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A detailed statement of regulations pertaining to student life is issued by the Dean of Students.

# College Life

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## Student Union Center

Gettysburg College will open during the fall semester, 1959, a new Student Union Center. The building will contain a swimming pool, bowling alleys, game rooms, snack bar, book store, barber shop, post office, ballroom, several lounges, meeting rooms and radio station.

## Living Facilities

*Dormitory Accommodations.* All new students, except those living at home, are required to live in one of the College dormitories. New students must fill out a room application form under the conditions explained in the section "Admission of Students."

Old students make room application to the Dean of Women or the Dean of Men. All women except those living at home are required to room in College dormitories. All men except commuters are required to live in College dormitories or fraternity houses unless space is not available.

*Dormitory Furnishings.* The College provides a single bed, a mattress, a dresser, a study desk, and a chair for each student. Pillows, linens, blankets, study lamps, draperies, and other accessories must be furnished by the student. A reputable laundry provides linen rental and service. Pictures and other decorations may be suspended only from the picture rails.

*Dining Facilities.* The College maintains a dining hall at which all women students except those living at home are required to take their meals. All Freshman male students are required to eat in the College dining hall. Fraternity pledges are permitted to eat the evening meal and the noon meal on Sunday in their respective fraternity house.

## Counseling

*Orientation Program.* During the first week of the fall term new students participate in a special program designed to help them be-

come adjusted in their new environment. Provided for the students under this program are personal conferences with advisers and counselors, lectures and discussions pertaining to college life, achievement and placement tests, and trips to nearby points of interest. The test results are explained and discussed with the student by his faculty adviser during the early weeks of school. The tests provide the College with valuable information concerning the aptitudes, interests, and educational background of each new student and assist the College in its efforts to provide an education suited to his needs.

*Freshman Advisers.* As he enters school each Freshman is assigned to a faculty member who serves as his adviser for the year. Working under the Dean of Students and Director of Guidance, these advisers meet frequently with their advisees, aiding them in solving their problems of adjustment and scholarship and assisting them in determining their major fields of study.

At the end of the Freshman year, students elect major fields and select their Sophomore courses with the assistance of the head of the department in which they intend to major.

*Student Counseling Service.* Under the direction of the Dean of Students, assisted by the Director of Guidance, the Chaplain, the Dean of Men, the Dean of Women, the College Physician, the Psychological Counselor, and the Clinical Consultant, a free guidance and counseling service is available to assist students with educational, vocational, social, and personal problems. They may seek it voluntarily or may be referred to it by advisers or other faculty members. Any student in question about which staff member to see will usually be referred to the proper person by the Dean of Students.

*The Dormitory System.* Under the guidance of carefully selected and qualified Student Counselors, the students solve their own dormitory problems. The arrangement is in no sense a system of restraints, but is designed to give training in the principles of cooperative living.

*Developmental Reading.* Gettysburg College assumes that every student enrolling has the ability to comprehend written material and, therefore, offers no remedial reading program as such. The College, however, does realize that some students can improve their reading even at the college level so, therefore, offers a non-credit develop-

mental course designed to improve reading speed and comprehension. A student is free to register for this course only if recommended by his faculty adviser, Director of Guidance, or Dean of Students.

### Lectures and Concerts

The College annually secures widely known scholars, travelers, and outstanding figures in public life to speak on topics of interest to the students and to the community, and, in cooperation with the community, presents artists and artist groups to give concerts to the College community. Student admission to these lectures and concerts is free.

The 1958-59 series includes the following: Dorothy Maynor, Soprano; Dr. Amiya Chakravarty, Comparative Religion; Dr. William F. Ogburn, Sociologist; Gettysburg College Choir; New Orleans Symphony Orchestra; James T. Farrell, Novelist; Lectures Religious Emphasis Week—The Rev. Walter Moeller, Mr. William Muehl; Jule and Margaret Zabawa, Vocalists; Wittenberg College Choir; Dr. Paul Merrill, Mt. Wilson Observatory, University of California; Spivakovsky Duo, Piano and Violin; Catherine Drinker Bowen, Phi Beta Kappa visiting scholar.

*Bell Lectureship.* A fund of \$2,100 from the estate of the late Rev. Peter G. Bell, ex-'60, was given to the College for the establishment of a Lectureship on the Claims of the Gospel Ministry on College Men. The main object of this foundation is "to keep before the students of the College the demand for men of the Christian ministry and the conditions of the age qualifying that demand."

*Stuckenberg Lectureship.* Mrs. Mary G. Stuckenberg gave a fund of \$1,000 for the establishment of a Lectureship in Sociology in honor of her late husband, J. H. W. Stuckenberg, D.D., LL.D., by the terms of which the College sponsors annually a lecture by a specialist on some phase of Sociology from the standpoint of Christian Ethics.

### Music

*The Gettysburg College Choir* is an organization of approximately sixty young men and women. Auditions are held at the beginning of each school year. Applicants are chosen on the basis of voice quality, trueness of ear, musical feeling, and general musical intelligence. The Choir appears at special services held in the Chapel, gives periodic



concerts on the campus, and makes an extended tour through the surrounding states in the spring of each year.

*The Chapel Choir* participates in the daily Chapel exercise and also appears in concert during the festival seasons of the year.

*The Band* performs as a marching unit at football games both on campus and away, at parades, community affairs, and various school functions. Following football season the band performs as a concert organization giving concerts both on and off campus. Students may participate in either or both groups.

*The Orchestra* performs in recital and in concert and participates in many school functions.

A Faculty director is provided for each of the musical organizations. He is assisted by a staff of student officers.

### Dramatics

The Owl and Nightingale Club aims not only to bring out the latent dramatic talent of the students in acting, scene painting, and play writing but also to provide the College and the community with good entertainment. As the dramatic workshop of the College, it produces from four to six representative plays a year. Active membership in the club is gained by performances in a certain number of plays, by staff work, or by both.

In addition, occasional short plays provide students of the Dramatic Arts classes opportunities in direction and production. All scenery is constructed by the students under Faculty supervision.

### Religious Life

One of the major objectives of Gettysburg College is to create an environment where a student may grow spiritually. As a church-related school, it strives to develop a Christian way of life among the students and faculty. Some of the channels through which students may express their faith are:

*Church Services.* Gettysburg College believes that regular church attendance is an essential part of the life of any student, especially when the student is away from the incentives and restraints of the home. Gettysburg College strongly emphasizes the importance of at-

tending church services each Sunday. The churches of Gettysburg are eager to welcome the students of the College to their services and also sponsor special Sunday School classes for their student members.

*Chapel Services.* Services are held in Christ Chapel, Tuesday through Friday from 9:50 to 10:15 A.M., under the direction of the Chaplain. Tuesday, Wednesday, and Thursday are worship services; Friday is convocation. A Chapel Choir under the direction of the College organist assists in the worship service.

*Student Christian Association.* The Student Christian Association is a fellowship of students and teachers dedicated to the development of Christian values. This organization, founded in 1867, functions today through a wide variety of projects including weekly Association meetings, daily devotions, forums, lectures, discussion and study groups, publications, social service activities and conferences, most of them held in Weidensall Hall. The SCA welcomes into its membership all students regardless of denominational affiliation. Its administration is vested in a Cabinet under the advisement of the College Chaplain and three Faculty advisers. The SCA is the only group permitted to hold regular religious meetings on the campus.

*Vespers.* Sunday evenings, under the Chaplain's direction, vesper service is held at 7:30. Student groups take charge of many of the programs, planning and selecting music and speakers.

Christ Chapel is also open every evening (except Saturday) from 10:00 to 10:30. During this half-hour, a student organist plays softly, but there is no planned service—just quiet meditation and prayer.

*Chaplain.* The College chaplain is available at all times for personal counseling at his office in the SCA building.

### Religious Emphasis Week

Each year near the beginning of the second semester a period of three days is set aside during which time a number of outstanding religious leaders are brought to the campus to give lectures and conduct discussions on some thought-provoking religious theme. This program is known as "Religious Emphasis Week." The College considers this one of the high points of the school year—vitally important to the

spiritual strengthening of every student and Faculty member of the College.

### Publications

*The Alumni Bulletin*, a quarterly published by the Alumni Office, keeps alumni informed on current College events and purposes.

*The Gettysburg College Bulletin, Catalog Issue* is published in April of each year.

*The Gettysburg College Summer Session Catalog* is published in March of each year.

*The Gettysburgian*, the campus newspaper, edited by a staff of students, is published weekly during the college year and prints chiefly College and alumni news and opinions.

*The G-Book*, a handbook issued to incoming students at the opening of each college year, provides valuable information and suggestions concerning college life and institutions.

*Look at Gettysburg*, an admissions booklet, published every February furnishes information and illustrations for new students, Guidance Directors, Principals and parents.

*The Mercury*, a literary magazine edited and published by students of the College under the supervision of the English department, seeks to encourage creative writing by the students.

*The Spectrum*, the student yearbook, contains pictorial representations of the College with its various organizations, activities, and surroundings, and information about students.

*The Woman's League Bulletin*, published in December of each year, is a summary of the work of the League for that year.

The purpose of all the publications is to improve communication between the College and its students, former students, and friends.

### Radio Workshop

A student radio station, WWGC, has its studio in the Student Union Building and broadcasts a variety of programs on a regular schedule during the college year.

### The Student Chest

A system known as the Student Chest coordinates the finances of student organizations. Under the direction of the *Student Chest Committee*, the fund is distributed to the various student organizations. The fee for this fund is included in the comprehensive fee, thus requests and earnings for money by separate student groups are eliminated.

### The Student Senate

The Student Senate, with a membership of about twenty-four, consists of two members of the Faculty and the Dean of Students who serve as advisers and one student representative from each of the living groups on the campus.

The basic functions of the Senate are to represent the student body in the formulation of school policies and to promote cooperation among the Administration, Faculty, and Students.

Besides fostering this policy, the Senate assumes responsibility for the Men's Tribunal, Honor Commission, Student Discipline Committee, conducts class elections, nominates candidates for the Zimmerman prize, and considers problems of the student body as a whole.

### Women's Student Council

Composed of representation from each class and one representative for each residence hall. The Council concerns itself with all matters affecting women's dormitory rules and residences.

### The Inter-Fraternity Council

The Inter-Fraternity Council, composed of representatives from each of the fraternities on the campus, maintains decorum among the community, the College, and the fraternities. This group sponsors the inter-fraternity dances, establishes rules for rushing, and promotes harmonious relations among the fraternities.

### The Pan-Hellenic Council

The Pan-Hellenic Council is composed of a Senior and a Junior member from each of the six national sororities represented on the



campus. Each sorority has also an alumna delegate. The five major offices are held in rotation by the Senior representatives of the six national sororities. The Council functions as a governing body in all issues involving sororities and inter-sorority relations and fosters harmony between sorority and independent women.

### **Phi Beta Kappa**

The Gettysburg chapter of Phi Beta Kappa was organized on January 11, 1923. A maximum of ten per cent of the Senior class may be elected to this honor society each year. Candidates for membership must be candidates for the Bachelor of Arts degree, must show promise of both intellectual and moral leadership and must possess a broad general culture as well as a distinguished academic record.

## **Fraternities, Sororities, and Societies**

### **Social Fraternities and Sororities**

College fraternities and sororities are dedicated to the high ideals of friendship and service. Through their activities in behalf of the individual, the group, the College, and the community, they play a vital role in campus life.

At Gettysburg there is mutual cooperation among the College, the fraternities, the sororities, and the student body. The College realizes that these societies, functioning properly, aid it in achieving its objectives.

On the campus at Gettysburg are thirteen national fraternities and six national sororities.

Alpha Chi Rho  
Alpha Tau Omega  
Alpha Xi Delta  
Chi Omega  
Delta Gamma  
Gamma Phi Beta  
Kappa Delta Rho  
Lambda Chi Alpha  
Phi Delta Theta  
Phi Gamma Delta

Phi Kappa Psi  
Phi Mu  
Phi Sigma Kappa  
Sigma Alpha Epsilon  
Sigma Chi  
Sigma Kappa  
Sigma Nu  
Tau Kappa Epsilon  
Theta Chi

### **National Honorary and Professional Fraternities and Fraternity Societies**

- Alpha Kappa Alpha: a society for students of Philosophy.  
Beta Beta Beta: a society for students of Biology.  
Delta Phi Alpha: a German language society.  
Eta Sigma Phi: an undergraduate fraternity for students of the Classics.  
Kappa Delta Epsilon: a professional Education sorority.  
Kappa Phi Kappa: a professional undergraduate Education fraternity.  
Lt. Charles Fite Co., Association of the United States Army: a military society for students in Army ROTC.  
Phi Alpha Theta: a fraternity for majors in History.  
Phi Sigma Iota: a society for students of the Romance Languages.  
Pi Delta Epsilon: a journalistic society.  
Pi Lambda Sigma: a fraternity for majors in Political Science and Economics.  
Psi Chi: a society for students of Psychology.  
Scabbard and Blade: a military society for students in the Advanced Course of Army ROTC.  
Sigma Pi Sigma: a society for students of distinction in Physics.  
Tau Kappa Alpha: a society for students excelling in forensics.

### **Local Honorary and Professional Clubs**

- El Circulo de Español: a club fostering the study of Spanish and Spanish-American culture and encouraging fluency in speaking Spanish.  
Gettysburg Honor Society: a society comprised of students excelling in scholarship and extracurricular activities who, in association with the Faculty, are dedicated to the attaining of a superior Gettysburg College.  
Le Cercle Français: a club offering an opportunity to acquire fluency in speaking French.  
Pre-Ministerial Association: an organization for students preparing for the ministry.  
Sceptical Chymists: an organization of students in Chemistry.

### **Other Organizations**

- Alpha Phi Omega: a national service fraternity, composed of former Boy Scouts, pledged to develop friendship and to promote service to the College, the community, and the nation.

**Booster Club:** a club consisting of representatives of various campus groups originated to stimulate College spirit and athletic interest within the student body.

**Gavel Club:** a club designed to increase the effectiveness of the fraternities through efficient leadership.

**Government Club:** an organization for those interested in the problems of politics and government, sponsoring Citizenship Clearing House and Intercollegiate Conference on Government activities.

**International Club:** a club dedicated to the promotion of world peace.

**Women's Athletic Association:** an organization sponsoring individual, group, intramural, and intercollegiate sports for women students.

## Athletics

### Intercollegiate Athletics

In order to conduct through a democratic, cooperative, and understanding agency a comprehensive athletic program for the students of Gettysburg College, the Board of Trustees of the College has authorized an advisory committee on athletics to confer at stated times with those responsible for the athletic program.

The College maintains membership in the National Collegiate Athletic Association, the Eastern Collegiate Athletic Conference, and the Middle Atlantic States Collegiate Athletic Conference.

The program of intercollegiate activities for men includes football, lacrosse, basketball, soccer, baseball, tennis, golf, wrestling, track, swimming, cross country, and rifle teams.

The program of intercollegiate activities for women includes field hockey and basketball.

All full-time students are admitted without charge to all contests held on the campus.

### Intramurals

The intramural program is designed to afford opportunities for all students not on varsity squads to enjoy the benefits of participation in sports. Competitive teams are organized from the fraternities, sororities, and non-fraternity groups.

*The Intramural Program for Men* is conducted under the supervision of a faculty director, assisted by the Physical Education majors,

and an advisory council consisting of one representative from each participating group. The program of activities includes touch football, volleyball, basketball, tennis, bowling, and softball.

*The Intramural Program for Women* is conducted by the Director of Women's Physical Education, with the assistance of the Women's Athletic Association, and aims to maintain interest in sports and to promote good sportsmanship. The Women's Athletic Association, organized under an Executive Committee and a sports board comprised of student managers for each sport, includes all women students in its membership.

Competitions are arranged among the sororities and the independent women in field hockey, basketball, volleyball, softball, bowling, tennis, and table tennis.

### Student Health Service

In order to be informed adequately of the state of health of each new entrant as soon as he begins his College career, the College requires each applicant for admission to submit to the Dean of Admissions a medical report from his family physician on the official form provided by the College. Each student must present this health form before matriculation.

A student Health Service is maintained for the benefit of all students. An agency of the service is a well-equipped Infirmary, staffed by a full-time Medical Director and Registered Nurses. This service entitles each student to the following:

1. Periodic medical examination if recommended on the medical report submitted by the family physician.
2. Consultation and treatment by the College Physician.
3. Necessary medications.
4. Certain diagnostic procedures, as ordered by the College Physician.
5. Infirmary care for all students. Those taking their meals in the College Dining Hall do not pay extra for meals while in the Infirmary, but those normally eating elsewhere pay \$2 a day.

The Health Service does not provide for treatment of chronic ill-



nesses, nor optical or dental care. Consultation with an additional physician, operations, and hospitalization are at the student's expense.

### Placement Service

*Teacher Placement.* The College maintains a free Teacher Placement Bureau to assist Seniors and graduates in securing positions and to aid school officials in locating properly qualified teachers.

All communications should be addressed to the Director of the Teacher Placement Bureau.

*College Placement.* The College operates a general placement service for its students and alumni. The Director of Placement, in co-operation with the Dean, Dean of Students, and Department Heads, arranges for the employment personnel of many business and industrial organizations to meet students for personal interviews looking forward to employment. He maintains a library on career possibilities in business and the professions.

Students who wish aid in securing placement should register with the Director of Guidance and Placement early in their Senior year.

*Departmental Placement.* The administration and Advisers informally assist students in securing employment or placement in graduate school.

# Honors, Prizes, and Scholarships

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## Senior Honors

The following honors are awarded at the close of each academic year to members of the graduating class under the conditions stated below:

*Valedictorian.* The highest scholastic average during the last three years, the Senior Comprehensive Examination passed "with highest honors."

*Salutatorian.* The second highest scholastic average during the last three years, the Senior Comprehensive Examinations passed "with highest honors."

*Summa cum laude.* Senior Comprehensive Examination passed "with highest honors," four-year quality point average of 2.75 or higher.

*Magna cum laude.* Senior Comprehensive Examination passed "with highest honors" or "with honor," four-year quality point average of 2.50 or higher.

*Cum laude.* Senior Comprehensive Examination passed "with highest honors" or "with honor," four-year quality point average of 2.30 or higher.

These honors are based on four-year records and are primarily for students with four years of residence at Gettysburg College. However, upon the recommendation of the Registrar, the *Scholastic Standing Committee* may grant *summa cum laude*, *magna cum laude*, or *cum laude* honors to transfer students who have satisfied the conditions of the honor during at least two full years of residence at Gettysburg and who have presented excellent transfer grades.

*Departmental Highest Honors.* Recommendations by the major department, a quality point average of 2.75 or higher in the major subject during the last three years, presentation of a thesis (or its equivalent) satisfactory to the department, Senior Comprehensive Examinations passed "with highest honors."

*Departmental Honors.* Recommendation by the major department, a quality point average of 2.50 or higher in the major subject during the last three years, Senior Comprehensive Examinations passed "with highest honors" or "with honor."

A transfer student with at least two full years of residence at Gettysburg is eligible for *Departmental Highest Honors* or *Departmental Honors* on the basis of grades attained at the College if he meets all other conditions.

### Other Honors

*Class Honors* for Freshman, Sophomore, Junior and Senior years. *Highest Class Honors* for the year will be awarded to those students who have maintained the grade of A in all their studies throughout the year. *Class Honors* for the year will be awarded to those who have maintained the grade of A in at least half of the work of the year and do not have a grade below B in any of their studies for the year.

*Dean's Scholastic Honor List.* Any student who attains a scholastic average of 2.50 in any semester is honored by the Faculty for scholastic excellence.

No veteran will be denied eligibility for honors or prizes because of work completed in United States Armed Service Schools.

*Note:* Basic courses in the required Physical Education or Reserve Officers' Training Corps are not considered in computations for honors and prizes.

### Prizes

The following prizes are offered annually for outstanding scholarship and achievement:

*Baum Mathematical Prize:* The income from \$500, contributed by Charles Baum, M.D., Ph.D., Class of 1874, of Philadelphia, is given annually to the Sophomore showing the greatest proficiency in Mathematics.

*The Charles W. Beachem Athletic Award:* The Student Christian Association presents each year an award in the form of a cup, in memory of Charles W. Beachem, a member of the Class of 1925 and first Alumni Secretary of the College. The award, based on Christian character, scholarship, and athletic achievement, is given to a member of the Senior class.

*Beta Beta Beta Junior Award:* The sum of \$10.00 to the Junior Biology major who is an Active Member of Beta Beta Beta and who has shown outstanding proficiency in the biological sciences during five semesters of college work. The award is based on interest, attitude, character and scholarship.

*Beta Beta Beta Provisional Award:* The sum of \$10.00 to the Biology major who has become a Provisional Member of Beta Beta Beta during the year in which the award is given. Interest, attitude, character, scholarship, and the arrangement of a display are taken into consideration.

*Chi Omega Social Science Award:* The sum of \$25 is given by the National, Active, and Alumnae groups to the Junior or Senior girl excelling in Social Sciences. This award is sponsored by the national fraternity and given in every college which has an active Chi Omega chapter.

*The Malcolm R. Daugherty Mathematical Award:* The income from \$1,000 contributed by the Columbian Cutlery Company of Reading in memory of Malcolm R. Daugherty of the class of 1942 is awarded annually to the Freshman showing proficiency in Mathematics and working to earn a part of college expenses.

*Delta Gamma Alumnae Association Award:* The sum of \$25 is given to the Junior girl who has made the greatest contribution to the College.

*Delta Phi Alpha Prize:* A valuable book on German culture is awarded to the outstanding student for the year in the German Department.

*Anthony di Palma Yearly Memorial Award:* Presented to the Junior having the highest marks in History. Everything else being equal, preference is given to a member of the Sigma Chi Fraternity.

*Samuel Garver Greek Prize:* The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Greek during his Freshman year.

*Samuel Garver Latin Prize:* The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Latin during his Freshman year.



*Graeff English Prize:* This prize was founded by John E. Graeff, Class of 1843. The interest of a fund of \$500 is awarded for the best English essay from a member of the Senior class on an assigned subject.

*John Alfred Hamme Award:* Established in 1948-49 by John Alfred Hamme, York, Pa., three awards of \$50 each to the three Juniors who have demonstrated in the highest degree the qualities of loyalty, kindness, courtesy, true democracy, and leadership.

*Hassler Latin Prize:* The income from a fund of \$500, contributed by Charles W. Hassler, is annually awarded to that student of the Junior class who, at the end of the year, is rated as the best Latin student.

*Frank H. Kramer Award:* Established in 1956 by the Phi Delta Theta Fraternity awards \$25.00 annually to a Senior for excellence in the Department of Education.

*Military Memorial Prize:* The income from a fund of \$500, contributed by the alumni and friends of Gettysburg College, is divided equally between the Military Science and the Air Science Departments as awards for the students who have attained the highest standing in either the first or second year of the Advanced Course as members of the Reserve Officers' Training Corps.

*Franklin Moore Award:* This award, the income from an endowment of \$6,500, is given annually to the member of the graduating class of Gettysburg College who through his or her four years as an undergraduate of Gettysburg College has shown the highest degree of good citizenship and who by his or her character, industry, enterprise, initiative, and personal activities has contributed the most toward campus morale and the prestige of Gettysburg College.

*Muhlenberg Freshman Prize:* The income of a fund of \$500 contributed by F. A. Muhlenberg, D.D., LL.D., a former professor at Gettysburg College, is given at the close of each year to that member of the Freshman class taking Latin or Greek or both who is found to have attained the highest general scholarship average.

*Nicholas Bible Prize:* The income from a fund of \$500 established by the Rev. J. C. Nicholas, D.D., Class of 1894, is annually awarded to that member of the Senior class who has done the best work in advanced courses in Biblical Literature and Religion.

*The William H. Patrick Award:* The sum of \$25.00 is awarded to

the student who has demonstrated a distinct proficiency in public speaking, by attending speech classes and by public appearances.

*Phi Sigma Iota Prize:* The sums of \$5 and \$2.50 are given to the two members presenting the best papers to the fraternity.

*Sceptical Chymists Prize:* The sum of \$10, to encourage the presentation of meritorious talks, is awarded annually by the Sceptical Chymists to the member or pledge who delivers the best speech before the Society during the year.

*Stine Chemistry Prize:* The income from a fund of \$1,000 established by Charles M. A. Stine, Ph.D., Sc.D., LL.D., Wilmington, Del., Class of 1901, is awarded annually at the end of the Senior year to a student majoring in Chemistry. The winner of the prize is determined on the basis of his Chemistry grades, laboratory techniques, personality, general improvement in four years, and proficiency in the subject at the time of his selection.

*Samuel P. Weaver Scholarship Foundation:* Established by Dr. Samuel P. Weaver, President of the Great Northwest Life Insurance Company, this foundation awards the sums of \$50 and \$25 to those two members of the student body who write the best essays on an assigned topic in the field of constitutional law and government.

*Edwin and Leander M. Zimmerman Senior Prize:* The interest on \$1,000 is given to the Senior whose character, student influence, and scholarship have contributed most to the upbuilding of the College.

*Note:* Only students who have been in attendance during all of the period for which prizes are designated are eligible for the awards.

### Scholarships and Grants in Aid for Students

*Qualifications for Grants.* In granting aid, the *Committee on Scholarships and Financial Aid* is governed primarily by *character*, *need* for assistance, and *academic ability*. In addition, the Committee may consider promise of a contribution to the College through outstanding service.

Because the fundamental purpose of aid at Gettysburg College is to assist worthy students who otherwise could not attend college except by undue sacrifice on the part of the parents, the principal emphasis in a grant is on the *need* of the applicant. Some preference

is given where two or more children from the same family are attending Gettysburg College simultaneously. Under certain conditions, the children of ULCA clergymen, not receiving aid from other sources, may be granted a discount in tuition.

*Gettysburg College* uses the scholarship services of the College Entrance Examination Board. All new applicants for aid should secure a "College Scholarship Service" blank from any one of the College Board Colleges. The service forwards the financial information to the schools to which the applicant is applying for a grant in aid.

All new students should present applications no later than April 15.

Students who have had a previous grant should secure a renewal blank from the office of the Dean of Students and return it no later than May 1.

### Conditions of a Grant in Aid

1. Grants are awarded for one year at a time. Ordinarily they are renewable, upon application, if the original conditions continue.

2. Financial aid is never granted to a student for more than eight semesters. There are no grants available during a Summer Session.

3. A student placed on disciplinary probation automatically loses all financial aid, effective immediately.

A student placed on scholastic probation two successive semesters will be deprived of his grant.

4. Free grants in aid may be awarded in varying amounts up to \$800 annually. Grants may also include both free grants and loans in varying combinations not to exceed \$1,000 in any one year.

5. The amount of a grant is applied as a credit on the College bill.

### Types of Aids

The following sections describe the types of financial aid available. All are granted under the qualifications and conditions previously explained.

### General College Grants in Aid

The returns from an endowment and funds from other sources have been set aside to assist worthy students. New students should apply for College grants in aid, for rarely can they qualify for the special conditions called for in the Endowed Scholarships.

### General College Loans

A part of the total grant in aid may be given in the form of a loan under the following conditions:

1. This loan shall be interest free until the student has been out of College one month.
2. Interest at the rate of three per cent shall be charged against any unpaid indebtedness after this period.
3. All interest and principal shall be paid in not more than six annual payments beginning one year after leaving college. Interest charges and payment on principal may be deferred for those attending graduate school.

### Competitive Honor Scholars

The College has eliminated the Competitive Scholarships previously granted and has substituted an award to nine students who shall be designated as Competitive Honor Scholars. Of that number, six shall be men and three women.

The honorarium attached to this grant ranges from \$800 for each of four years for a total of \$3,200, down to \$100 annually for a four-year total of \$400. The amount of this grant depends primarily upon the financial needs of the recipient. In order to receive more than the \$100 annual grant, the Honor Scholar must establish financial need through the presentation of the scholarship blank of the College Scholarship Service.

The nine Honor Scholars shall be selected on the bases of their secondary school records with emphasis on academic achievement, strong moral character, and contribution to the high school community program, and the Scholastic Aptitude Test results of the College Entrance Examination Board. To be considered for these awards the student must take the Scholastic Aptitude Tests no later than February.

### Endowed Scholarships

Endowed funds have been set up for the award of scholarships under the conditions described in each of the following grants:

*Frank D. Baker Bequest:* The sum of \$300 annually is available through the generous bequest of Frank D. Baker to aid students in immediate need of financial assistance. This fund is to be administered by the President of the College.



*Dr. Joseph B. Baker and Rena L. Baker Scholarship Fund:* The income from \$2,500 donated by the Woman's League of Gettysburg College is to be given each year to a needy and deserving student in the Music Department to provide for special lessons in that department.

*Dr. Ray Alfred Barnard Scholarship Fund:* The income from \$1,200 is to be given each year to a male student of Gettysburg College who shall be a member of the Lutheran Church who is preparing for the ministry in the Lutheran faith, and who shall also be a member of the Central Pennsylvania Synod of the United Lutheran Church in America.

*Bateman Scholarship:* The Rev. Sydney E. Bateman, M.D., Class of 1887, established a scholarship fund of \$500, the income from which is awarded each year to a needy student preparing for the ministry.

*Jessie E. Benner (1907) and Minerva B. Benner Scholarship Fund:* The income from \$10,000 is to be used to aid worthy students financially in need. The student or students to be aided shall be preferably, but not necessarily, those studying for ministry of the Gospel.

*Blough Scholarship:* Burton F. Blough, a former member of the Board of Trustees, established a scholarship endowment fund of \$5,000. The income from this fund is to be used to aid needy and deserving students.

*Cambridge Rubber Foundation Scholarship:* Funds made available through the generosity of the Cambridge Rubber Foundation, Inc., provide a sum of \$200 per year to be granted to one or two entering Freshmen. In rare instances this sum may be granted to an upper-classman if, in the opinion of the Committee on Scholarships, the upperclassman is better qualified and more deserving.

*Class of 1913 Scholarship Fund:* The income from a fund of \$3,000 is to be given each year to a needy and deserving student.

*Class of 1916 Scholarship Fund:* The income from a fund of \$1,370 is to be given to a needy and deserving Sophomore.

*Class of 1918 Scholarship Fund:* The income from a fund of \$3,655 is available each year for a needy and deserving student or students.

*Jacob Charles and Rosa Bott Eisenhart Scholarship:* The income on a fund of \$6,500, established by the J. C. Eisenhart Wall Paper Com-

pany, is available each year toward the payment of the tuition of deserving students preparing to become Lutheran Missionaries, or planning to attend a Lutheran Seminary.

*Clarence A. and Myrtle B. Eyler Scholarship:* The income on a fund of \$5,000 is available each year toward the payment of the tuition of a deserving student.

*Margaret E. Fisher Memorial Fund:* Nelson F. Fisher, M.D., '18, contributed a fund of \$6,000 in memory of his mother, Margaret E. Fisher, the income on which is to be applied to the tuition of the athlete who excels in one or more major sports and who achieves the highest scholastic average among winners of varsity letters.

*Dr. D. F. Garland, '88, Scholarship:* The income from a fund of \$500 will be given each year toward the payment of the tuition of deserving young people preparing for the Lutheran ministry.

*The Henry W. A. Hanson Scholarship Foundation:* This award was established by the Board of Trustees of Gettysburg College in honor of Henry W. A. Hanson and in recognition of his leadership and of his distinguished service to Gettysburg College and to the cause of education in the Lutheran Church and in the nation. The recipient is chosen from the members of the Senior class who expect to enter graduate school in preparation for college teaching. The applicant must have successfully passed the Graduate Record Examination. If the Senior elected cannot accept, the next qualified candidate can be elected. If no member of the Senior class is chosen, the Committee may select a member of a previous class. The grant is the income from a fund of \$8,994.

*Kirschner Scholarships:* Mr. and Mrs. C. J. Kirschner established a scholarship endowment fund of \$10,000 to perpetuate the memory of their son, Alvan Ray Kirschner, who lost his life in World War I. The income is divided into two scholarships, which are awarded to students under certain conditions which give preference to those from Hazleton and vicinity. Applications for the use of these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pa.

*Lutheran Brotherhood Scholarships:* Two scholarships established by the Lutheran Brotherhood Life Insurance Society to be presented to Junior Lutheran students at the time of their registration as Seniors. These students must, in the opinion of the *Committee on Scholarships*,

be outstanding in religious leadership and scholastic ability and other qualifications determined by the Committee.

*McCollough Scholarships:* These scholarships were established in memory of Charles B. McCollough, Jr., by his parents, Mr. and Mrs. Charles B. McCollough, Sr., and his great uncle, Mr. H. B. Earhart. The income from a fund of \$17,143.75 is awarded annually to two men and two women at Gettysburg College on the basis of character, need, and ability.

*Dr. John E. Meisenhelter Scholarship:* This award is the income from a bequest establishing a scholarship amounting to \$300 a year. The principal is held in the permanent Endowment Fund.

*J. Elsie Miller Scholarship:* The income on a fund of \$5,000, bequeathed by J. Elsie Miller, is available each year toward the payment of the tuition of deserving young men preparing for the Lutheran ministry.

*Miller-Dewey Education Fund:* The income from a fund of \$10,000 established by the late Rev. Adam B. Miller, A.M., a member of the Class of 1873, is annually available for the purpose of aiding deserving persons in obtaining an education at Gettysburg College. The graduates of Loysville Orphans' Home have the first claim on these scholarships.

*William F. Muhlenberg Award:* The income from a fund of approximately \$800 is awarded annually to a member of the Junior class on the bases of character, scholarship, and proficiency in campus activities.

*The C. H. Musselman Company Scholarship:* Funds made available through the generosity of The Musselman Foundation provide each year one four-year scholarship in the amount of \$1,000 per year. If more than one applicant should meet the general qualifications for this scholarship, preference shall be given to the applicant who has selected or signifies his or her intention of selecting chemistry or business administration as the major course of study. This factor shall be disregarded if no applicant has selected or signified his or her intention of selecting either chemistry or business administration as the major course of study.

*Nellie and Bernard Oller Memorial Scholarship:* The interest on a fund of \$5,000, bequeathed by Mrs. Ida R. Gray, is available each



year toward the payment of the tuition of a deserving student. This scholarship is awarded under certain conditions which give preference to students from Waynesboro, Pennsylvania.

*Lovina Openlander Scholarship:* The income from \$3,000 is to be used for providing scholarships in the amount of \$50 each to aid young men or women who are in need of financial assistance in order to continue their College work.

*Parent Education Society Scholarship Loans:* The Parent Education Society of the Evangelical Lutheran Church in the United States many years ago placed \$5,000 in the Endowment Funds of the College, the income from which is to provide ten scholarship loans each year valued at \$20 each. These scholarship loans may be granted to one or more persons selected by a committee comprised of the President of Gettysburg College and the President of the Lutheran Theological Seminary of Gettysburg.

The person or persons selected must be bona fide students for the ministry, and meet all the requirements for recipients of scholarships. The amount granted will be used to meet the tuition cost of the student, and he will be asked to sign a promissory note which will be automatically cancelled after the recipient serves two continuous years in the ministry.

*Presser Foundation Scholarship:* The Presser Foundation Scholarship of \$350.00 is awarded annually to one or more students in the School of Music who, in the opinion of the Music Staff, now show superior promise in the field of Music. Preference is given to those who expect to major in Music Education.

*Edgar Fahs Smith Memorial Scholarship Fund:* The income from a fund established by Margie A. Smith to be used to pay the tuition of one or more deserving students specializing in chemistry. This scholarship is held in abeyance under the terms of the bequest to allow the growth of the principal to the necessary amount.

*Stine Scholarships:* Charles M. A. Stine, Ph.D., Sc.D., LL.D., Class of 1901, established an endowment fund which makes available three \$100 scholarships known as the Milton H. Stine Scholarships. These are awarded each year to young men preparing for the Christian ministry. Dr. Stine established these scholarships in honor of his father and mother.



*Dr. George W. Stoner Award:* The income from \$10,000 is awarded to a worthy male Senior accepted by a recognized medical college.

*Rufus B. Weaver Scholarship Foundation:* The income from a fund of almost \$20,000 established by the widow of Rufus B. Weaver, a graduate of the College in 1862, is devoted to scholarships for deserving students.

*Wellington Scholarship:* The income on a fund of \$5,000, bequeathed by Senator George L. Wellington, is available each year toward the payment of the tuition of a deserving student.

*Synod of West Virginia:* The Synod of West Virginia of the United Lutheran Church in America has made available two scholarships in the amount of \$225 each. These scholarships are available to young men or women who are active members of a congregation of the Synod of West Virginia, are enrolled as entering Freshmen, and have stood in the upper third of their graduating high school class.

These scholarships are awarded by the Synod Scholarship Committee. All applications should be sent to this committee. Address all communications to The Reverend George W. Schillinger, D.D., Chairman, Committee on Scholarships, 1596 Lee St., Charleston, W. Va.

*York-Shipley Scholarship:* A scholarship in the amount of \$575 each year for four years, for one student, has been established through the generosity of York-Shipley, Inc., of York, Pa.

The scholarship will be awarded to an outstanding male student, preferably from York County who plans to major in Business Administration. Scholarship, citizenship and examination scores constitute the criteria for granting this award.

### Loan Fund

*Alumni Loan Scholarship Fund:* By resolution of the Alumni Council a portion of Loyalty Fund collections (in the amount of \$8,019) has been set aside as a Loyalty Student Loan Fund which is available only to members of the Senior class. The funds so allocated may be lent to a student on his or her note, with at least one approved endorser, and shall be without interest until one year after the borrower's class is graduated from Gettysburg College, and thereafter shall bear interest at the rate of six per cent per annum. This fund was augmented \$1,000 in 1956 by a donation by H. F. Widman, Class of 1921.

*Class of 1909 Fund:* A revolving fund amounting to about \$2,000 has been established by the Class of 1909 for the purpose of aiding worthy students.

*The Daughters of Union Veterans of the Civil War* have established a "Grand Army of the Republic Living Memorial Scholarship Fund" of \$2,500 to be used as a loan fund.

*Morecraft Loan Scholarship:* The St. James Lutheran Church of Stewart Manor, Long Island, has established a fund of \$1,000 in honor of its late Pastor Edward J. Morecraft. This fund is to be used to assist worthy students under the same conditions as the Alumni Loan Scholarship Fund.

*Rothfuss Loan Scholarship:* E. Lloyd Rothfuss, M.D., Class of 1916, established a memorial to his father and mother, Charles H. Rothfuss and Martha Huffinan Rothfuss, in the form of a \$6,000 loan scholarship fund. This fund is to be administered under the same terms as the *Alumni Loan Scholarship Fund*.

### Other Financial Aid

#### Campus Opportunities

1. *Gettysburg College* is prepared to grant work opportunities to a limited number of deserving students. A work opportunity is a guarantee that there will be available enough work on the campus for the recipient to earn a sum equal to the amount granted.

Upperclassmen seeking employment should make application through the Dean of Students.

2. The *Gordon-Davis* service agents: Two or three students may earn substantial sums collecting and distributing room linens serviced by the Gordon-Davis Linen Supply Company. The *Scholarship Committee* selects these agents each year.

### Reserve Officers' Training Corps

Students enrolled in the ROTC Program receive monetary commutation in lieu of rations at the rate of ninety cents per day from the date of their enrollment in the *Advanced Course* until graduation, except during the Summer Training period, when they receive regular basic pay. Basic Cadets are loaned uniforms by the College or

Government. Advanced Cadets are given tailor-made uniforms which they retain upon graduation and commissioning. Total remuneration during the Advanced Course, including value of the uniform, is approximately \$700.

### **Work-in-Town Opportunities**

Each year students take part-time work in the community. The College assists some students in work placement, but takes no direct responsibility.

# Courses of Instruction

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## General Education Courses

In view of the growing complexity of our civilization and our increasing awareness of individual responsibility, it has become apparent that premature specialization and the department isolation of students and teachers are no longer either ethically defensible or socially practicable. An education valid for our world must find its basis in an integrated understanding of man in his essential roles: as living creature in the natural universe, as inheritor of a rich and significant past, as participant in human institutions, and as discoverer and creator of patterns and values which give meaning to human existence. Similarly, the wise choice of a vocation and adequate training in its special techniques must be based upon an inclusive knowledge of the chief fields of human endeavor and some appreciation of the special potentialities and obligations of the various callings.

In an attempt to provide such foundations for its students, the College has established the following general courses. The first two are required of all A.B. candidates.

### 1. INTRODUCTION TO CONTEMPORARY CIVILIZATION

MRS. DOUGLAS, MISS KENNEY, MESSRS. AKOLEKAR, ALEXANDER, BASKERVILLE, BLOOM, BOENAU, BUGBEE, CRAPSTER, COULTER, GLATFELTER, HAMMANN, HAMPTON, JOHNSON, PICKERING, RICHARDSON, SHAFFER, TRONE, AND ZAGARS

A general education course introducing the student to the backgrounds of contemporary social problems through the major concepts, ideals, hopes, and motivations of western culture since the Middle Ages.

*Six semester hours credit.*

Required of all A.B. Freshmen. Three hours, throughout the year.

### 2. LITERARY FOUNDATIONS OF WESTERN CULTURE

MESSRS. BASKERVILLE, COLLIER, DAVISON, HAMMANN, LINDEMAN, MASON, PICKERING, PLAYFOOT, SHAFFER, SUNDERMEYER, AND WOLFINGER, AND MMES. AKOLEKAR, MCLENNAND, TAYLOR, AND TOWNSEND

An introduction to the ideals and forms of Western thought, presented through reading and interpretation of selected classics: Homer through Virgil and St. Augustine through Goethe.

*Six semester hours credit.*

Required of all A.B. Sophomores. Three hours, throughout the year.



## 3. WORLD LITERATURE SINCE 1830

MR. SUNDERMEYER

The forming of contemporary thought in literary masterpieces of East and West. *Six semester hours credit.*

Elective for Juniors and Seniors. Three hours, throughout the year.

## 4. THE DEVELOPMENT OF THE SCIENCES OF MAN

MR. DARRAH

The relation of the tradition of the biological sciences to the intellectual interests of contemporary man. Interpretation of the human environment, man himself considered objectively, and the human values intrinsic in science.

*Three semester hours credit.*

Open to Juniors and Seniors. Three hours, first semester.

## Art

*Professor QUALLY, Professor KRAMER, and Instructor BARCLAY*

## 1. HISTORY OF ART: PREHISTORIC TO 1800

MR. BARCLAY

The visual arts in relation to social, political and religious conditions of each period. A comparative appraisal of the art of different periods; and an aesthetic appreciation of works of art through use of color slides and other visual aids.

*Two semester hours credit.*

Two hours, first semester.

## 2. HISTORY OF ART: 1800 TO CONTEMPORARY

MR. BARCLAY

An historical background for the development and understanding of modern art, with major emphasis on painting. An examination of individual paintings through color slides and reproductions, pointing toward an understanding and enjoyment of contemporary art.

*Two semester hours credit.*

Two hours, second semester.

## 3. ORIENTAL ART

MR. KRAMER

Chiefly Chinese, with some attention to Japanese, Indian, and Persian Art. History, traditions, and culture will form the background for studying material from museums and collections.

*Two semester hours credit.*

One hour, throughout the year.

## 4. ART APPRECIATION

MR. QUALLY AND MR. BARCLAY

An introductory course in the appreciation of the visual arts. An analysis of materials, and fundamentals of design. The styles of representation, their relationship, and their impact on modern art. Principles underlying and prob-

lems bearing on the visual arts. Emphasis on individual works through use of slide and opaque projections in order to stimulate enjoyment and understanding of contemporary art as well as past forms.

Two hours, either semester.

*Two semester hours credit.*

## 5. BEGINNING DRAWING AND PAINTING

MR. QUALLY

A basic studio course in free hand drawing and painting. Familiarity with different media such as line, oil color, casein, and water color. Drawing and painting from still life and live models.

*Six semester hours credit.*

Six studio hours weekly, throughout the year.

## 6. ADVANCED DRAWING AND PAINTING

MR. QUALLY

A continuation of Course 5 with special attention to pictorial design. Portrait and figure studies from live models. Landscape painting. Individual style of each student encouraged.

*Six semester hours credit.*

Prerequisite: Fine Arts 5. Six studio hours weekly, throughout the year.

## 7. BASIC DESIGN AND COMPOSITION

MR. QUALLY

An introductory course in design for the beginner, requiring no previous training. Also important as a foundation for courses in drawing and painting. Basic color theory. Assigned class problems in line, black and white, and in color. Individual criticism.

*Two semester hours credit.*

Two hours, either semester.

## 8. GRAPHIC ARTS

MR. BARCLAY

An introductory studio course in lithography, wood engraving, wood block printing, and silk screen production.

*Three semester hours credit.*

Six studio hours, either semester.

## Biblical Literature and Religion

Professor WALTERMYER, Associate Professor DUNKELBERGER, Assistant Professors FREED, HAMMANN, and TRONE, Instructor SULOUFF, and Lecturer WEISER

Requirements for a major include 24 semester hours: Greek 6 and Philosophy 12 may be included. Courses 1a and 1b are prerequisite for all other courses in the department and may be counted toward a twelve-hour minor. Students majoring in this department are advised to have a minor in Greek or Latin.

1a. OLD TESTAMENT HISTORY STAFF

The rise and progress of the Hebrew people with emphasis upon the religious truths which, through them, were communicated to the world in preparation for the advent of Christ. *Three semester hours credit.*

Required of all Freshmen. Three hours, first semester.

1b. LIFE OF CHRIST STAFF

The external aspects of Christ's life as it presented itself to those who witnessed it, with a view to an understanding of its external significance. *Three semester hours credit.*

Required of all Freshmen. Three hours, second semester.

4. CHURCH HISTORY MR. WALTEMYER

An extension of the study of Christianity beyond its Biblical limits, as a continuous religious development from its New Testament origins to the present. *Six semester hours credit.*

Three hours, throughout the year.

6. EVIDENCES OF CHRISTIANITY MR. HAMMANN

The theistic evidences and the proofs of the presence and action in the world of a supernatural redemptive power as these appear in the first Christian documents, and in Christian history; deals with the questions which arise in the effort to intellectualize the content of the Christian revelation.

Three hours, second semester. *Three semester hours credit.*

8. RELIGIONS OF THE WORLD MR. WALTEMYER

A survey of the history and content of the great religions of the world, with a view to their comparison with Christianity and to a better understanding of the peoples of our day. *Three semester hours credit.*

Three hours, second semester.

10. NEW TESTAMENT HISTORY AND LITERATURE MR. WALTEMYER

The spread of Christianity from Jerusalem, through Palestine, to Antioch, through Asia Minor to Greece and then to Rome, with emphasis on the life and writings of Paul. *Three semester hours credit.*

Three hours, first semester.

12. THE HEBREW PROPHETS MR. FREED

The prophets and their times, with a view to discovering the abiding principles contained in their messages. Effort is made to relate these principles of the present social order. *Three semester hours credit.*

Three hours, first semester.

## 13. CONTEMPORARY RELIGIOUS THOUGHT

MR. TRONE

An examination of the ideas of the religious leaders of our times and a consideration of major religious emphases today. *Three semester hours credit.*

Three hours, first semester.

## 14. INTRODUCTION TO RELIGIOUS EDUCATION

MR. TRONE

The principles and methods of religious education applicable to the Sunday School, the Week-day Church School, and the Daily Vacation Bible School. The members of the class will conduct a Week-day Bible School in Christ Lutheran Church. A limited number of students will be accepted.

Three hours, throughout the year.

*Six semester hours credit.*

## 15. PSYCHOLOGY OF RELIGION

MR. SULOUFF

A survey of thought in the field of the psychology of religion as developed by William James, James Leuba, J. B. Pratt, E. D. Starbuck and a few others, together with the significant problems of religious personality and its development. *Three semester hours credit.*

Three hours, second semester.

Not given 1959-1960.

## 16. THE GOSPEL OF JOHN

MR. FREED

The chief emphasis will be given to the thought and content of the gospel itself. An effort will be made to discover some of the various forms of the thought background of the gospel, especially that of the Old Testament. There will also be some study of the gospel in its relationship to the Synoptic Gospels and to the First Epistle of John. *Three semester hours credit.*

Three hours, second semester.

## Biology

*Professor BOWEN, Visiting Professor SIMPSON, Associate Professors MESSER, DARRAH, and BARNES, Assistant Professors SANDNES and LOGAN, Lecturer H. DARRAH, and ASSISTANTS*

The courses in this department are designed to provide an understanding of the basic principles of general and comparative biology. Emphasis is placed on the following features: the cultural values of biological science; the correlation of biology with sociology, psychology, anthropology, and paleontology, and the integration of biology with other areas of human knowledge and experience; biological principles in relation to human life; fundamental training for students



who plan to enter schools of medicine, dentistry, nursing, forestry, laboratory technology, or other professional biological fields.

Requirements for a major include a minimum of 32 semester hours as approved by the adviser. A premedical major in Biology includes Biology\*11 and 12 (or Biology 1), 23, 31, 33, and such other courses in Biology, and in Physics, Chemistry, English and modern foreign languages as are arranged with the adviser.

## 1. GENERAL BIOLOGY

MRS. SIMPSON, MR. SANDNES,  
MRS. DARRAH, AND ASSISTANTS

Basic principles of structure and function in plants and in animals, including man. *Eight semester hours credit.*

Three class hours and three laboratory hours, throughout the year.

## 11. GENERAL BOTANY

MR. DARRAH

An introduction to the biology of plants, presenting basic principles and emphasizing the position of plants in nature and in relation to human interests. *Four semester hours credit.*

Three class hours and three laboratory hours, either semester.

## 12. GENERAL ZOOLOGY

MR. BARNES

An introduction to the biology of animals, presenting basic principles and emphasizing the position of animals in nature and in relation to human interests. *Four semester hours credit.*

Three class hours and three laboratory hours, either semester.

## 21. VERTEBRATE ZOOLOGY

MR. MESSER

Representative vertebrates, with special emphasis upon structure, the physiological importance of organs, and the relationships existing among the various groups of vertebrate animals. *Four semester hours credit.*

Prerequisite: Biology 1 or 11 and 12. Three class hours and three laboratory hours, first semester.

## 23. COMPARATIVE ANATOMY OF VERTEBRATES

MR. MESSER

Detailed examination of the origins, structure, and functions of the principal organs of typical fishes, amphibians, reptiles, birds, and mammals. Special attention is given to the progressive modification of organs from lower to higher vertebrates. *Eight semester hours credit.*

Prerequisite: Biology 1 or 11 and 12.

Three class hours and three laboratory hours, throughout the year.

## 24a. BOTANY

MR. DARRAH

The identification and classification of lower plants; their physiology, origin, and distribution; their importance in human affairs, including industrial applications. Emphasis on field work. *Three semester hours credit.*

Prerequisite: Biology 1 or Biology 11. Two class hours and three laboratory or field hours, first semester.

## 24b. BOTANY

MR. DARRAH

The identification and classification of vascular plants; their origin and distribution; their importance in human affairs, including history, culture, and social customs. Emphasis on field work. *Three semester hours credit.*

Prerequisite: Biology 1 or Biology 11. Two class hours and three laboratory or field hours, second semester.

## 25. CONSERVATION

An introduction to the general principles of conservation including the management of forests, soils, waters, fishes, birds, and mammals, and their importance in economic and cultural life. *Three semester hours credit.*

No prerequisite. Two class hours, and field trips as arranged, second semester.

## 26. FIELD WORK IN BIOLOGY: PLANTS AND INVERTEBRATES

MR. BARNES

The identification and distribution of plants and animals and the mutual relations between organisms and their environment. Emphasis upon plants and invertebrate animals. *Three semester hours credit.*

Prerequisites: Biology 1 or 11 and 12. Two class hours and three field or laboratory hours, second semester.

## 27. ECOLOGY

The major natural regions of the earth, particularly North America, and the adaptations of living organisms to their environments. Emphasis on animal associations. *Three semester hours credit.*

Prerequisite: Biology 1 or 11 and 12. Two class hours, and field trips as arranged, first semester.

Not given 1959-1960.

## 28. FIELD WORK IN BIOLOGY: PLANTS AND VERTEBRATES

The identification and distribution of plants and animals, and the mutual rela-

tions between organisms and their environment. Emphasis upon plants and vertebrate animals.  
*Three semester hours credit.*

Prerequisite: Biology 1 or 11 and 12. Two class hours and three field or laboratory hours, first semester.

Not given 1959-1960.

### 31. MICROSCOPY AND MICROTECHNIQUE

MR. BOWEN

Theory and use of the microscope and other types of optical instruments; the handling of microscopic objects; the techniques of preparing materials for microscopic investigation.  
*Four semester hours credit.*

Prerequisite: Biology 21 or 23. Three class hours and three laboratory hours, first semester.

### 32. HISTOLOGY

MR. BOWEN

The microscopic structure, origin and function of individual cells, the fundamental tissues, and the principal organs of the animal body.

*Four semester hours credit.*

Prerequisite: Biology 21 or 23. Three class hours and three laboratory hours, second semester.

### 33. EMBRYOLOGY

MR. BARNES

Development from the germ cells to the establishment of the principal organs of the body, including both the anatomy and physiology of development.

*Four semester hours credit.*

Prerequisite: Biology 21 or 23. Two class hours and two two-hour laboratory periods, first semester.

### 36. MAMMALIAN ZOOLOGY

MR. MESSER

Detailed structure of a typical mammal and an introduction to human anatomy and physiology.

*Four semester hours credit.*

Prerequisite: Biology 21 or 23. Three class hours and three laboratory hours, second semester.

### 37. PARASITOLOGY

MR. SIMPSON

An introduction to the general principles of parasitism with emphasis upon the evolution, taxonomy, morphology and physiology of animal parasites.

*Four semester hours credit.*

Prerequisite: Biology 1 or 12. Three class hours and three laboratory hours, first semester.

**38. INVERTEBRATE ZOOLOGY****MR. BARNES**

The anatomy, physiology, embryology and natural history of the major groups of invertebrates and a consideration of the principles of invertebrate phylogeny.

*Four semester hours credit.*

Prerequisite: Biology 1 or 12. Three class hours and three laboratory hours, second semester.

Not given 1959-1960.

**41. GENERAL MICROBIOLOGY****MR. SIMPSON**

The nature and importance of microorganisms, including yeasts, molds, bacteria, and pathogenic protozoa.

*Four semester hours credit.*

Prerequisites: Biology 1, or 11 and 12. Three class hours and three laboratory hours, first semester.

Not given 1959-1960.

**43. PRINCIPLES OF HEREDITY****MR. SANDNES**

The fundamental principles of heredity as observed in common plants and animals, including man, and the relationships between heredity and development, physiology, and evolution.

*Three semester hours credit.*

Prerequisites: Biology 1 or 11 and 12. Two class hours and three laboratory hours, second semester.

**44. PREHISTORIC LIFE****MR. BOWEN**

An introduction to the geologic history of plants and animals from the development of life to the beginning of historic time.

*Two semester hours credit.*

No prerequisite: Two class hours, second semester.

**45a. PHYSIOLOGY****MISS LOGAN**

A study of the functions of the major systems of the vertebrate body.

*Four semester hours credit.*

Prerequisite: Biology 21 or 23. Three class hours and three laboratory hours, first semester.

**45b. PHYSIOLOGY****MISS LOGAN**

Cellular physiology: the mechanics and dynamics of the living cell.

*Four semester hours credit.*

Prerequisite: Biology 11 and 12 or Biology 1 and at least Chemistry 1, second semester.



## 51. BIOLOGICAL SEMINAR

STAFF

A survey of the field of biology; the history of biology; the use of scientific publications, including recent biological texts and current journals.

*Three semester hours credit.*

Course advised for Junior or Senior Biology majors. Three class hours, second semester.

## 55. PROBLEMS IN BIOLOGY

STAFF

An introduction to special techniques and methods in biological investigation. Offered to Junior or Senior Biology majors who have the approval of the department for this particular course.

*Maximum credit of four semester hours each semester.*

Hours and credit as arranged.

## Chemistry

*Professors ZINN and SLOAT, Associate Professor WEILAND, Instructor ROWLAND, and ASSISTANTS*

Requirements for a major include 1, 2a, 2b, 4, and 5. Premedical majors in Chemistry need in addition such courses in Biology, Physics, English, and modern foreign languages as are necessary to meet the requirements of the medical school of the student's choice. Other Chemistry majors will take advanced courses according to their needs and upon the advice of the head of the department.

## 1. GENERAL CHEMISTRY

MESSRS. SLOAT, WEILAND,  
ZINN, ROWLAND, AND ASSISTANTS

The occurrences, properties, uses, and methods of preparation of the more common elements and their compounds, and the theoretical principles involved. Special emphasis is placed upon the scientific method of reasoning and the application of chemical principles through the solving of problems.

*Eight semester hours credit.*

Two lectures, one recitation, and three laboratory hours, throughout the year.

## 2a. QUALITATIVE ANALYSIS

MR. WEILAND

Comprehensive study of chemical equilibrium and its application to inorganic qualitative analysis. Laboratory is on a semimicro scale.

*Four semester hours credit.*

Prerequisites: Chemistry 1 and Mathematics 1 or 2. Two lectures and six laboratory hours, first semester.

**2b. QUANTITATIVE ANALYSIS**

MR. WEILAND

Theory and practice of gravimetric and volumetric analysis. Familiarity with the work and principles is sought through the solution of problems.

*Four semester hours credit.*

Prerequisite: Chemistry 2a. Two lectures and six laboratory hours, second semester.

**3. ADVANCED ANALYTICAL CHEMISTRY**

MR. WEILAND

Discussion and laboratory practice of gravimetric separations, volumetric and colorimetric analysis, and organic combustion methods.

Recommended to prospective graduate students and industrial chemists.

*Four semester hours credit.*

Prerequisites: Chemistry 1, 2a, and 2b. Six laboratory hours, throughout the year.

**4. ORGANIC CHEMISTRY**

MR. ZINN

Systematic study of the compounds of the aliphatic and aromatic series with special emphasis upon relationships and synthesis of the more common compounds together with the study of their properties and techniques of preparation in the laboratory.

*Eight semester hours credit.*

Prerequisites: Chemistry 1, 2a, and 2b. Three lectures and three laboratory hours, throughout the year.

**5. PHYSICAL CHEMISTRY**

MR. SLOAT

Fundamental atomic and molecular theory, electron conception of valence, complex compounds, gases, solids, energetics, liquids, solutions, colloids, conductance, electromotive force, ionic equilibria. Chemical equilibria, physical properties of matter, and phase rule. Laboratory illustration of such of these principles as are of theoretical interest or of particular service in medical school or industrial practice.

*Eight semester hours credit.*

Prerequisites: Chemistry 1, Physics 102, and Mathematics 6. Three lectures and three laboratory hours, throughout the year.

**6. SPECIAL QUANTITATIVE METHODS**

A course designed to acquaint the student with a large variety of the methods and apparatus used in the analysis of minerals, alloys, iron and steel, gases, water, carbon and nitrogen compounds, foodstuffs, and natural and artificial products by modern gravimetric, volumetric, electrometric, potentiometric, polarigraphic, colorimetric, and photometric methods.

*Hours and credit as arranged up to four semester hours.*

Prerequisites: Chemistry 1, 2a, 2b, and 3.

## 8. ADVANCED ORGANIC CHEMISTRY

MR. ROWLAND

Special topics in organic chemistry. Organic analysis and advanced preparations constitute the laboratory work. Recommended to prospective graduate students and industrial chemists. *Eight semester hours credit.*

Prerequisite: Chemistry 4. Two lectures and six laboratory hours, throughout the year.

## 9. TEACHER'S COURSE

MR. SLOAT

The organization and conduct of an elementary course in Chemistry. Required of prospective teachers and graduate students.

Open to Juniors and Seniors. *Four semester hours credit.*  
One lecture and three laboratory hours, throughout the year.

## Dramatic Arts

*Professor ARMS and Instructor JACKSON*

## 1a. APPRECIATION OF THE THEATRE

MR. ARMS

Current plays of the English-speaking stage discussed in detail.

One hour, throughout the year. *Two semester hours credit.*

## 2. TECHNIQUE OF THE THEATRE

MR. JACKSON

Theory and practice of acting and direction.

Two hours, throughout the year. *Four semester hours credit.*

## 3. STAGECRAFT

MR. JACKSON

Stage design, lighting, costuming, and other details of production.

Two hours, throughout the year. *Four semester hours credit.*

## Economics and Business Administration

*Professor STOKES, Visiting Professor DOUGLAS, Associate Professor ZAGARS, Assistant Professors BAIRD, WILLIAMS, and VAN INGEN, Instructors AKOLEKAR, GEMMILL, and WAGNER, and ASSISTANTS*

The courses offered in this department are designed to provide an understanding of the principles of economic behavior. Both theoretical and applied courses are designed to meet the needs of students who intend to enter graduate and professional schools, or plan a career in business or government. Fundamentals rather than techniques are stressed.

Students may select either Economics or Business Administration as their major field.

## Economics

The requirements for a major in Economics are a minimum of 24 semester hours including courses 3, 15, 16, and 18, and Mathematics 23 (Statistics). In addition all majors are required to take Political Science 1a (American Government), and are advised to take Economics 4 (Accounting).

### 3A. PRINCIPLES OF ECONOMICS

STAFF

A survey of the existing and changing economic order. An analysis of basic factors of production, exchange, distribution, and consumption of wealth. This course is designed to meet the requirements in economics of those who wish to be certified to teach social studies in the public schools of Pennsylvania. It is not acceptable in partial fulfillment of the major and minor requirements of the department. *Three semester hours credit.*

Three hours, first semester.

### 3. PRINCIPLES OF ECONOMICS

STAFF

Economic principles, problems, and policies, with special emphasis on production, value, money, wages, interest, rent, profits, and consumption.

Required of all majors and minors in Economics. Recommended for all Political Science majors. Prerequisite for all other courses in Economics.

Sophomore course. Three hours, throughout the year.

*Six semester hours credit.*

### 11. LABOR RELATIONS

MRS. DOUGLAS

Labor in industrial society; nature of labor market; marginal workers and their protection; history of trade unionism and employer policies; collective bargaining processes; organized labor and the law.

*Three semester hours credit.*

Junior and Senior course. Three hours, either semester.

### 14. TRANSPORTATION

MR. STOKES

Development, operation, and coordination of rail, motor, and water transportation facilities and their regulation. *Three semester hours credit.*

Junior and Senior course. Three hours, second semester.

### 15. ECONOMIC ANALYSIS

MR. WILLIAMS AND MR. AKOLEKAR

An analysis of current theory and problems. *Three semester hours credit.*

Senior course. Required for all Seniors.

Three hours, either semester.



## 16. MONEY AND BANKING

MR. STOKES

The nature and functions of money and credit, credit instruments, monetary standards, classes and functions of banks, commercial bank operations, the structure and operations of the Federal Reserve System, theories of money value, credit control, monetary policy. *Three semester hours credit.*

Junior and Senior course. Three hours, either semester.

## 18. HISTORY OF ECONOMIC THOUGHT

MR. ZAGARS

An analysis of the main contributions to economic thought from Adam Smith and his immediate predecessors to the present time.

*Three semester hours credit.*

Three hours, second semester. Senior course.

## 19. PUBLIC FINANCE

MR. STOKES

The provision, custody, and disbursement of the resources required for the conduct of government functions; the various types of taxes and their economic effects; fiscal policy; the budget; management of the public debt.

*Three semester hours credit.*

Junior and Senior course. Three hours, first semester.

## 20. INTERNATIONAL ECONOMICS

MR. AKOLEKAR

International trade, foreign exchange, international capital movements, tariffs and restrictive trade practices, trade agreements, international monetary agencies.

*Three semester hours credit.*

Junior and Senior course. Three hours, first semester.

## 21. BUSINESS CYCLES AND FORECASTING

MR. GEMMILL

This course examines the economic factors underlying cyclical variations in economic activity; cycle theories; behavior of selected domestic and international indicators of business fluctuations; forecasting techniques; control of cycles.

*Three semester hours credit.*

Junior and Senior course, second semester.

## 22. SOUTHEAST ASIA: ECONOMIC AND POLITICAL PROBLEMS

MR. AKOLEKAR

The problems of economic development and planning, representative government and regional cooperation. The economic, political and strategic importance of this area to the United States. Special emphasis will be placed on India, Pakistan, Nepal and Ceylon the first semester; Burma, Thailand and Indonesia the second semester.

*Six semester hours credit.*

Junior and Senior course. Three hours, throughout the year.

## 23. COMPARATIVE ECONOMIC SYSTEMS

MR. ZAGARS

A comparative study of the existing economic Systems.

*Three semester hours credit.*

Senior course, second semester.

## 24. SEMINAR IN ECONOMIC DEVELOPMENT

MRS. DOUGLAS

Types of social-economic change in the underdeveloped countries. Regional case studies. Aid problems and policies.

*Three semester hours credit.*

Senior course. Three hours either semester.

## AMERICAN ECONOMIC HISTORY

See History 5.

## ELEMENTARY STATISTICS

See Mathematics 23.

**Business Administration**

The requirement for a major in Business Administration is 30 semester hours. Courses 3, 4, and 15 are required and the remainder of the subjects may be selected from any of the courses listed below or from those listed under Economics. All majors are further required to take Political Science 1a.

## 1. ECONOMIC GEOGRAPHY

MESSRS. AKOLEKAR AND GEMMILL

The location and use of the world's economic resources. The course aims to provide a background for understanding industrial, commercial, and agricultural opportunities and limitations, with emphasis on climate, topography, population, and essential resources.

*Three semester hours credit.*

Open only to Freshmen, except with special permission of department. Three hours, first semester.

## 2. INDUSTRIES OF THE UNITED STATES

MESSRS. AKOLEKAR AND GEMMILL

A survey of American industries, with emphasis on the origin, nature, and development of selected industries. Attention will be focused on their geographic basis, historical evolution, current economic position, and problems.

Freshman course. Three hours, second semester.

*Three semester hours credit.*

## 4. ELEMENTARY ACCOUNTING

MESSRS. VAN INGEN AND GEMMILL

Fundamental principles of modern accounting procedure, preparation of basic financial statements.

*Six semester hours credit.*

Sophomore and Junior course. Three class hours and two practice hours, throughout the year.

## 5. INTERMEDIATE ACCOUNTING

MR. WAGNER

Analysis of advanced accounting procedures necessary to satisfy the demands of modern management, creditors, owners, potential investors, and governmental requirements. *Six semester hours credit.*

Junior and Senior course. Prerequisite: Economics 4. Three hours, throughout the year.

## 6. ADVANCED ACCOUNTING

MR. BAIRD

An advanced course for accounting students designed to develop a critical capacity for understanding, interpreting, and analyzing data with respect to consolidated statements, liquidations, estates and trusts, receiverships, and governmental and institutional accounting. *Three semester hours credit.*

Prerequisite: Economics 5. Three hours, first semester.

Not given 1959-1960.

COST ACCOUNTING

See Mathematics 25.

MATHEMATICS OF INVESTMENT

See Mathematics 21.

## 7. FEDERAL TAXES

MR. WAGNER

An introduction to the study of federal taxes with emphasis on the accounting and management implications of the law. The preparation of returns and the analysis of current problem material will be required.

*Three semester hours credit.*

Prerequisite: Economics 5. Three hours, second semester.

## 8. MARKETING PRINCIPLES AND PRACTICES

MR. VAN INGEN

An analysis of the marketing structure underlying the sale and movement of goods from the producer to the final buyer, with a view toward determining the principles and practices conducive to more efficient marketing management. *Three semester hours credit.*

Junior and Senior course. Three hours, either semester.

## 9. AUDITING

MR. WAGNER

Principles and procedures of auditing, including preparation of audit programs, preparation of the working papers, and the writing of the audit report.

*Three semester hours credit.*

Prerequisite: Economics 5. Three hours, first semester.

## 10. BUSINESS LAW

MR. STOKES

Legal rights and obligations arising out of common business transactions.

*Three semester hours credit.*

Junior and Senior course. Three hours, either semester.

## 12. INDUSTRIAL MANAGEMENT

MR. WILLIAMS

An introduction to the field of industrial management with special emphasis on economic background, financing, research, engineering, etc. Plant site selection, layout, production control, budgeting, purchasing, internal coordination and control.

*Three semester hours credit.*

Senior course. Three hours, second semester.

## 13. PERSONNEL MANAGEMENT

MR. WILLIAMS

Scientific labor management and personnel administration. Emphasizes the economic and social background, use of statistical tools and specialized techniques in job evaluation, merit rating, selection and training of workers, and wage determination.

*Three semester hours credit.*

Senior course. Three hours, first semester.

## 17. CORPORATION FINANCE

MR. GEMMILL

This course deals with the raising and administering of the funds used in the modern corporation. Topics covered include: corporate organization; stocks and bonds; principles of long-term finance; management of working capital and income; security exchanges; corporate expansion, failure and reorganization.

*Three semester hours credit.*

Senior course. Three hours, first semester.

## Education

*Professor ROSENBERGER, Associate Professor JOHNSON, and Lecturer BASEHORE*

Gettysburg College is accredited by the Department of Public Instruction of the Commonwealth of Pennsylvania for the preparation of teachers in the following fields:

Secondary School Academic Subjects (Grades 7-12).

Public School Music (Grades 1-12).

Physical Education.

The Department provides the proper courses for certification in most of the other States with particular attention to New Jersey, New York, Maryland, and Delaware. Those interested in teaching in private schools should also plan to include professional education courses in their program of studies.

A student planning to teach should confer with the Head of the Education Department before registering for a course in the department.

All students planning to teach must take General Psychology (Psychology 1) in the Sophomore year.

The privilege of taking the course in Student Teaching (Education 11) is restricted to students who have the recommendation of the Department Chairman



in their major field. A passing grade must have been attained in all courses pursued the previous semester. A maximum of 18 hours in professional education courses may be counted toward the graduation requirements.

Students interested in teaching should seek opportunities to work with children and youths in church activities, YWCA and YMCA, scouting, summer camp work, etc.

*Certification Requirements for Secondary Teachers*

PENNSYLVANIA

Requirements for the Provisional College Certificate:

Teaching Subjects:

Academic subjects: 18 hours in each subject. Certification in Social Studies will be granted by offering 9 hours in History and 3 hours in each of the following fields: Sociology, Political Science and Economics. Qualification to teach General Science is fulfilled by certification in biological science or physical science.

Music: complete the requirements for Bachelor of Science in Music Education.

Physical Education: complete requirements as enumerated by the Department of Health and Physical Education.

Education Courses:

Education 1, 5, 6 and 11, and three hours of approved electives. A course in Audio-Visual Education (Education 10) is required for making the Provisional College Certificate permanent after three years' teaching experience.

History:

A course in United States History (3 hours) is required for permanent certification in Pennsylvania. History of Pennsylvania, History 9 is required for those students preparing to teach social studies in Pennsylvania.

NEW JERSEY

Requirements for the Secondary certificate:

General:

A bachelor's degree, to include 30 hours of general background courses distributed in at least three of the following fields: English, Social Studies, Science, Fine Arts, Mathematics, and Foreign Language.

Teaching Field:

A minimum of 18 semester hours is required for certification in: Biological Sciences, English, General Science, Health Education, History, Instrumental

Music, Latin, a specific modern language, Mathematics, Physical Education, Physical Science, Political Science and Economics, Speech, and Vocal Music. Thirty hours are required for Music, Science, and Social Studies.

#### Education Courses:

Education 1, 5, 6 and 11. A course in Health Education must be offered: this may be Health Education 10 or 12, or Biology 1.

### MARYLAND

#### Requirements for Certificate in Academic Subjects:

##### General:

Completion of a standard four-year college course leading to a Bachelor's degree.

##### Teaching Fields:

English .....	24 hours	Chemistry .....	18 hours
Mathematics .....	18 hours	Physics .....	18 hours
Latin .....	18 hours	Biology .....	18 hours
French .....	18 hours	High School Science ..	27 hours*

Social Studies ..... 24 hours—distributed as follows: History, including American History (18 hours); economics, sociology, or political science (6 hours).

Education: (to be taken in the junior and senior years).

Education 5, 6, 1, 11 and one 3-hour elective course.

#### 1. HISTORY OF EDUCATION

The history of educational thought beginning with Greek and Roman culture and progressing to present American education. Emphasis is placed on the educational philosophy expressed by men distinguished for their contribution to the progress of education. *Three semester hours credit.*

Prerequisite: Psychology 1 and Education 5 or 6. Three hours, either semester.

#### 5. EDUCATIONAL PSYCHOLOGY

MESSRS. JOHNSON AND BASHORE

The development of the individual and the psychological principles of learning are extensively investigated. An introduction is given to evaluating and reporting pupil progress. Required for certification. *Three semester hours credit.*

Prerequisite: Psychology 1. Three hours, either semester.

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\*Six semester hours each of chemistry, physics and biology; at least 12 semester hours in one of these 3 sciences; and 3 hours in other sciences such as: geology, astronomy, meteorology, or conservation (Biology 25).

## 6. INTRODUCTION TO EDUCATION

MR. ROSENBERGER

Consideration is given to the function of the secondary schools in a democracy. Emphasis is placed on the methods and techniques of the teaching-learning process and to classroom management. Required for certification.

*Three semester hours credit.*

Three hours, either semester.

## 7. SECONDARY SCHOOL CURRICULUM

MR. JOHNSON

The philosophy, practices and problems of the junior and senior high school curricula will be studied. The construction and revision of courses will be investigated as well as the core curriculum. A general orientation will be given to guidance and extra-curricular activities

*Three semester hours credit.*

Prerequisite: Education 6. Three hours, either semester.

## 9. SCHOOL ORGANIZATION AND LAW

MR. ROSENBERGER

To give an understanding of the legal status of teachers, the relation of the local, state and national government to the schools, and the principles of the teachers' relation to administration.

*Three semester hours credit.*

## 10. AUDIO-VISUAL EDUCATION

MR. JOHNSON

The underlying philosophy, principles and techniques involved in the use of sensory aids are studied. The course is intended to increase the effectiveness of both the new and experienced teachers in the use of such aids.

*Three semester hours credit.*

Junior or Senior course. Three hours, either semester.

## 11. STUDENT TEACHING

MESSRS. ROSENBERGER AND BASHORE

Student observation, participation and teaching on the secondary school level under the supervision of an experienced teacher. Group and individual conferences are held for discussion of principles and problems. A minimum of 90 hours of responsible classroom teaching is recommended.

*Six semester hours credit.*

Prerequisites: Education 5 and 6. Senior course, either semester.

## 14. EDUCATIONAL MEASUREMENTS

MR. ROSENBERGER

The development of the principles of evaluation of individual differences as related to intelligence, aptitude, scholastic achievement and personality factors. The principles of test construction and interpretation of test data will be studied.

*Three semester hours credit.*

Prerequisites: Psychology 1 and 5.

## 40. PRINCIPLES OF GUIDANCE

The principles and practices of counseling and guidance are studied. This involves the systematic study of the individual, the theories and techniques in practice, guidance programs, and the place of guidance in the total educational program.

*Three semester hours credit.*

Prerequisite: Psychology 1.

## English

*(Composition, Literature, and Speech)*

*Professors* GEYER and MASON, *Associate Professors* BOLICH and TAYLOR, *Assistant Professors* LINDEMAN, PICKERING, TOWNSEND, and WOLFINGER, *Instructors* BASKERVILLE, CHARLES, DAVISON, JACKSON, LOCHER, and MCLENNAND, *Lecturers* AKOLE-KAR and HARTZELL

The requirement for a major is a minimum of 30 semester hours of English and American literature, including Courses 1, 31; 30 or 32; 21 or 22; 23 or 24; and six hours from among 11, 12, 13, 14, and 15. Majors and minors who expect to teach in the public schools should take English 15 and Speech 1. English A is a prerequisite for all other courses in English.

## Composition

## A. ENGLISH COMPOSITION

STAFF

Review of fundamentals of grammar, practice in writing, and in careful and exact reading of short prose selections.

*Six semester hours credit.*

Three hours, throughout the year.

## 5. ADVANCED COMPOSITION

MR. PICKERING AND MRS. TOWNSEND

The principles and techniques of expository and argumentative writing.

Three hours, first semester.

*Three semester hours credit.*

## 6. JOURNALISM

MRS. TAYLOR

Introduction to the techniques of newspaper writing and editing.

Two hours, either semester.

*Two semester hours credit.*

Not given 1959-1960.

## 7. CREATIVE WRITING

MRS. TAYLOR

Technique of writing essays, short stories, etc. Open to all students, except Freshmen, with the approval of the instructor.

*Four semester hours credit.*

Two hours, throughout the year. (Credit granted for one semester or both.)  
Not given 1959-1960.



## 8. ADVANCED CREATIVE WRITING

MRS. TAYLOR

Workshop for advanced writing students. Problems and techniques of writing short stories, verse, essays, etc. *Four semester hours credit.*

Prerequisite: English 7. Two hours, throughout the year. (Credit granted for one semester or both.)

Not given 1959-1960.

## Literature

## B. INTRODUCTION TO LITERATURE

MESSRS. GEYER, LINDEMAN,

LOCHER, AND WOLFINGER, AND MMES. MCLENNAND AND TOWNSEND

An intensive study and analysis of the dominant literary types—the short story, the novel, poetry, and drama. Designed primarily for non-English majors wishing to fulfill the literature requirement..

*Six semester hours credit.*

Three hours, throughout the year.

## 1. ENGLISH LITERATURE

MESSRS. GEYER AND MASON

A survey of English literature from *Beowulf* to the end of the nineteenth century. Required sophomore course for English majors.

Three hours, throughout the year.

*Six semester hours credit.*

## 11. THE ENGLISH NOVEL

MR. PICKERING

Historical development of the English novel from Bunyan to the twentieth century.

Three hours, throughout the year.

*Six semester hours credit.*

## 12. CONTEMPORARY PROSE FICTION

MR. GEYER

An intensive study of selected British and American prose works of the twentieth century.

Three hours, second semester.

*Three semester hours credit.*

## 13a. ELIZABETHAN AND JACOBEAN DRAMA

MR. WOLFINGER

A critical and historical survey of English drama—exclusive of Shakespeare—from *Ralph Roister Doister* to the closing of the theatres in 1642.

Three hours, first semester.

*Three semester hours credit.*

Not given 1959-1960.

## 13b. RESTORATION AND EIGHTEENTH CENTURY DRAMA

MR. WOLFINGER

A critical examination of dramatic genres in England from 1660 through Sheridan.

Three hours, first semester.

*Three semester hours credit.*

Alternates with English 13a.

## 14. MODERN DRAMA

MR. WOLFINGER

A study of Ibsen, post-Ibsen movements, and relevant plays.

Three hours, second semester.

*Three semester hours credit.*

## 15a. AMERICAN POETRY

MR. MASON

From Bryant to Lanier; emphasis on critical interpretation.

Three hours, first semester.

*Three semester hours credit.*

## 15b. AMERICAN PROSE

MR. MASON

Selections from the eighteenth and nineteenth centuries.

Three hours, second semester.

*Three semester hours credit.*

## 16. MODERN POETRY

MR. LINDEMAN

Major English and American poets of the present century.

Three hours, first semester.

*Three semester hours credit.*

## 18. THEORIES OF LITERATURE

MR. LINDEMAN

The various ways in which man has regarded literature: its sources, its forms, and its purposes.

Three hours, second semester.

*Three semester hours credit.*

## 21. THE SEVENTEENTH CENTURY

MR. MASON

The poetry and prose of the period with special attention to Bacon, Jonson, Donne, and Dryden.

Three hours, second semester.

*Three semester hours credit.*

## 22. THE EIGHTEENTH CENTURY

MR. GEYER

The chief poets and prose writers of the neo-classical period.

Three hours, first semester.

*Three semester hours credit.*

## 23. THE ROMANTIC PERIOD

MR. GEYER

Wordsworth, Coleridge, Byron, Shelley, and Keats.

Three hours, first semester.

*Three semester hours credit.*

## 24. THE VICTORIAN PERIOD

MR. GEYER

The poetry and prose of the period with special attention to Tennyson, Browning, and Arnold.

Three hours, second semester.

*Three semester hours credit.*

## 30. CHAUCER

MR. PICKERING

*The Canterbury Tales, Troilus and Criseyde*, and several shorter poems.

Three hours, second semester.

*Three semester hours credit.*

## 31. SHAKESPEARE

MR. WOLFINGER

A study of numerous plays, criticism, and historical materials with emphasis on the development of Shakespeare's dramatic art.

Three hours throughout the year.

*Six semester hours credit.*

## 32. MILTON

MR. MASON

Milton's poetry and selected prose.

Three hours, first semester.

*Three semester hours credit.*

## 34. INDEPENDENT STUDY

STAFF

Open with consent of the Department to majors in their senior year. Supervised reading under the direction of individual members of the Staff.

*Hours and credit to be arranged.*

## Speech

## 1. BASIC PUBLIC SPEAKING

MR. BOLICH AND MR. JACKSON

Basic principles of public address: delivery, bodily action, voice; finding, arranging, and presenting ideas.

Two hours, either semester.

*Two semester hours credit.*

## 2. ADVANCED PUBLIC SPEAKING

MR. BOLICH AND MR. JACKSON

The adaptation of public address to various purposes: to inform, to entertain, to convince, to induce to action.

*Two semester hours credit.*

Prerequisite: Speech 1. Two hours, second semester.

## 3. VOICE AND DICTION

MR. BOLICH

Proper use of voice apparatus through drills and study in physical control, breathing, tone production, and resonance. Exercises in articulation, correct pronunciation, and expressiveness.

*Two semester hours credit.*

Two hours, first semester.

## 4. ARGUMENTATION AND DISCUSSION

MR. BOLICH

The principles of logical proof in oral discourse.

Two hours, second semester.

*Two semester hours credit.*

## 5. ORAL INTERPRETATION

MR. JACKSON

Study and practice in techniques of reading aloud from prose, poetry, and dramatic literature.

Two hours, first semester.

*Two semester hours credit.*

## 6. RADIO SPEECH

MR. BOLICH

Radio as a means of communication. The principles of radio speaking and script writing; problems of production. There will be some attention given to television. Field trips are included.

Two hours, second semester.

*Two semester hours credit.*

## French

*(See Romance Languages)*

## German

*Professor SUNDERMEYER, Associate Professor AHRENS, Instructors COLLIER and I. LANGERHANS, and Lecturer L. FORTENBAUGH*

Requirements for a major include Courses 2, 3, 6, 12, 13 or 14, and 15. The teaching minor consists of 18 semester hours and must include Courses 6, 12, and 13 or 14. Courses 14 and 15 count as six semester hours in the original provided they are taken together. Courses 2, 3, 4, 7, 10, 11, and 16 may be applied in fulfillment of the literature requirement.

## German Language

## A. ELEMENTARY GERMAN

STAFF

The essentials of grammar; reading of simple prose and poetry.

Three hours, throughout the year.

*Six semester hours credit.*

## 1. INTERMEDIATE GERMAN

STAFF

Review of grammar; reading of standard German. *Six semester hours credit.*

Prerequisite: German A. Three hours, throughout the year.



## 6. COMPARATIVE PHILOLOGY

MR. AHRENS

A general introduction to linguistic science. The first semester is devoted to the development from Indo-European to the Germanic languages, and the second semester to the development of the German language.

One hour, throughout the year.

*Two semester hours credit.*

## 12. COMPOSITION

MRS. LANGERHANS

Practice in writing idiomatic German.

*Two semester hours credit.*

One hour, throughout the year.

## 13. CONVERSATION

MRS. LANGERHANS

Practice in speaking German.

*Four semester hours credit.*

Two hours, throughout the year.

### German Literature and Civilization

## 2. THE CLASSICAL FIELD

MR. SUNDERMEYER

Reading and interpretation of German Classical writers, including Lessing, Goethe, and Schiller.

*Six semester hours credit.*

Prerequisite: German 1. Three hours, throughout the year.

## 3. THE 19TH CENTURY

MR. AHRENS

Reading and interpretation of German writings from Heinrich von Kleist to Gerhart Hauptmann.

*Six semester hours credit.*

Prerequisite: German 1. Three hours, throughout the year.

## 4. LUTHER

MR. AHRENS

An advanced course devoted to the study of selections from Luther's German writings.

*Two semester hours credit.*

One hour, throughout the year.

## 7. GERMAN SCIENTIFIC PROSE

MR. AHRENS

Selections of literary merit from authors in the field of natural sciences.

*Six semester hours credit.*

Prerequisite: German 1. Three hours, throughout the year.

## 8. GERMAN SCIENTIFIC PROSE

MR. COLLIER

Readings adapted to individual needs of students majoring in any of the exact Sciences.

*Two semester hours credit.*

One hour, throughout the year.

10. GOETHE'S FAUST MR. SUNDERMEYER  
Goethe's *Faust*, I and II. *Six semester hours credit.*  
Two hours and collateral reading, throughout the year.
11. CONTEMPORARY LITERATURE MR. SUNDERMEYER  
Selections from contemporary literature. *Six semester hours credit.*  
Two hours and collateral reading, throughout the year.
14. ADVANCED GERMAN READINGS MRS. LANGERHANS  
Readings selected to coordinate with German 15. Conducted in German. *Four semester hours credit.*  
Two hours, throughout the year.
15. HISTORY OF GERMAN CIVILIZATION MR. SUNDERMEYER  
Lecture course in English. Open to all students. Credit given in the Departments of German and History. *Two semester hours credit.*  
One hour, throughout the year.
16. SEMINAR IN GERMAN LITERATURE MR. SUNDERMEYER  
A reading course conducted in German. *Six semester hours credit.*  
Two hours and collateral reading, throughout the year.

## Russian

- A. ELEMENTARY RUSSIAN MR. COLLIER  
Principles of Russian pronunciation; essentials of grammatical structure; practice in composition, reading and translation; conversational material; relationships with other Indo-European languages.  
Three hours, throughout the year. *Six semester hours credit.*
1. INTERMEDIATE RUSSIAN MR. COLLIER  
Review of grammar; conversation and reading of selections from Russian literature. *Six semester hours credit.*  
Three hours, throughout the year.

## Greek

*Professor SHAFFER AND Assistant Professor HELD*

Requirements for a major include 24 hours above the A course as approved by the adviser, and may include Philosophy 10, first semester. Courses 1, 2, 5, 6, 7, 8, 9, 10, 12, 13, and 14 may be used in fulfillment of the literature requirement in a foreign language. Students planning to do graduate work in Greek should take college Latin courses.

### A. ELEMENTARY GREEK

MR. SHAFFER

An elementary course for beginners.

*Six semester hours credit.*

Three hours, throughout the year.

### B. INTERMEDIATE GREEK

MR. HELD

Selections from Xenophon and Homer. Prose composition.

*Six semester hours credit.*

Prerequisite: Greek A. Three hours, throughout the year.

### 1. HERODOTUS

MR. SHAFFER

Reading of selections, with lectures and reports on literary and historical background.

*Three semester hours credit.*

Prerequisites: Greek A and B. Three hours, first semester.

Not given 1959-1960.

### 2. GREEK TRAGEDY

MR. HELD

Selected plays with lectures and reports on the literary, religious, and philosophical background.

*Three semester hours credit.*

Prerequisites: Greek A and B. Three hours, first semester.

### 3. GREEK LITERATURE IN ENGLISH

MR. SHAFFER

Reading and study of selected masterpieces of Greek literature.

Knowledge of Greek not required.

*Three semester hours credit.*

Three hours, first semester.

### 4. GREEK HISTORY

MR. SHAFFER

A survey of Hellenic civilization from the earliest times to the Hellenistic age, with special emphasis on the sources.

*Three semester hours credit.*

Knowledge of Greek not required.

Three hours, second semester.

## 5. GREEK MUSIC

MR. SHAFFER

Greek musical theory and practice.

*Three semester hours credit.*

Prerequisites: Greek A and B, and an elementary knowledge of music.

Three hours, first semester.\*

## 6. NEW TESTAMENT

MR. SHAFFER

Readings in Hellenistic Greek, with special attention to the language of the New Testament.

*Three semester hours credit.*

Prerequisites: Greek A and B. (May be taken simultaneously with Greek B.)

Three hours, second semester.

## 7. PLATO

MR. SHAFFER

The *Apology* and *Crito*, with selections from other dialogues. A study of Socrates.*Three semester hours credit.*

Prerequisites: Greek A and B. (May be taken simultaneously with Greek B.)

Three hours, first semester.

## 8. HOMER

MR. HELD

The *Iliad* or the *Odyssey*, with lectures and reports on literary and cultural backgrounds.*Three semester hours credit.*

Prerequisites: Greek A and B. Three hours, second semester.

## 9. GREEK LYRIC POETRY AND PROSE COMPOSITION

MR. SHAFFER

A survey of Greek poetic literature and a review of syntax.

*Three semester hours credit.*

Prerequisites: Greek A and B. Three hours, second semester.

Not given 1959-1960.

## 10. GREEK ORATORY

MR. HELD

Selected orations in Greek and the *Rhetoric* of Aristotle in English.*Three semester hours credit.*

Prerequisites: Greek A and B. Three hours, second semester.

Not given 1956-1960.

## 11. THE ANCIENT HISTORY OF THE NEAR EAST

MR. SHAFFER

Survey of the ancient civilizations of southwestern Asia and of Egypt.

Knowledge of Greek not required.

*Three semester hours credit.*

Three hours, first semester.\*

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\*To be given if needed.



## 12. GREEK COMEDY

MR. SHAFFER

Selected plays in Greek and collateral readings in English. Lectures and reports on historical and literary backgrounds. *Three semester hours credit.*

Prerequisites: Greek A and B. Three hours, second semester.

Not given 1956-1960.

## 15. INDEPENDENT STUDY

STAFF

Open to advanced students with the consent of the department.

Hours and credit to be arranged.

### Health and Physical Education

*Professors* BREAM and BARTHOLOMEW, *Assistant Professors* HAAS, HULTON, HUMMEL, KENNEY, and SHOEMAKER, and *Instructors* CARPENTER, COULL, KELLY, MITCHELL, and RIDINGER

The department offers a complete teacher training program, approved by the Pennsylvania State Council of Education, and open to both men and women. The department offers curricula leading to both the degree of Bachelor of Arts and the degree of Bachelor of Science, with a major in Health and Physical Education. Students enrolled in either of the above curricula must take all the courses listed in that curriculum, plus such other courses as may be required by the department.

### Methods and Activities

## 1. METHODS AND ACTIVITIES

STAFF

Participation in a variety of individual and team activities with emphasis upon the acquisition of skills.

Activities for men: tennis, soccer, volleyball, basketball, swimming, track and field, and golf.

†Activities for women.

*Four semester hours credit.*

Two hours, throughout the year.

## 2. METHODS AND ACTIVITIES

STAFF

An individual program of activities participation, based upon ability and progress.

Activities for men: tennis, football, wrestling, apparatus, tumbling, dancing, speedball, and golf.

\*Activities for women.

*Four semester hours credit.*

Two hours, throughout the year.

\*To be given if needed.

†Women students have an optional-required program, based on a quarter system. Elective activities and required courses for eight (8) credits will satisfy college requirements. All women students must pass the swimming course before graduation.

**3. METHODS AND ACTIVITIES****STAFF**

Methods and techniques of class organization and instruction in a variety of physical education activities. *Four semester hours credit.*

Two two-hour periods, throughout the year.

**4. METHODS AND ACTIVITIES****STAFF**

Methods and techniques of class organization and instruction in a variety of physical education activities. Continuation of Course 3.

Two two-hour periods, throughout the year. *Four semester hours credit.*

**5. AQUATICS****MR. COULL**

Teaching methods and techniques in basic strokes, diving, life-saving, and water safety. *Two semester hours credit.*

Three hours, either semester.

**6. INTRODUCTION TO HEALTH AND PHYSICAL EDUCATION****MISS KENNEY**

A general survey of the fields of health education, physical education, recreation and camping. *Three semester hours credit.*

Three hours, first semester.

**13. PRINCIPLES AND CURRICULUM PLANNING****MR. BARTHOLOMEW**

An evaluation of principles and their application in planning a modern physical education program. *Three semester hours credit.*

Three hours, second semester.

**\*16. COACHING AND OFFICIATING****MR. HAAS**

Theory and practice in the fields of coaching and officiating.

Two hours, throughout the year. *Four semester hours credit.*

**17. ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION****MR. HAAS**

Legal and administrative problems, personnel relations, social interpretation, budget and finance, plant and office management.

Senior course. Three hours, first semester. *Three semester hours credit.*

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\*Women students have an optional-required program, based on a quarter system. Elective activities and required courses for eight (8) credits will satisfy college requirements. All women students must pass the swimming course before graduation.

**19. PHYSICAL EDUCATION FOR THE HANDICAPPED** MISS KENNEY

Misconceptions, causes of handicaps, specific handicaps, the remedial program, the orthopedic examination, and administration. *Two semester hours credit.*

Prerequisite: Health Education 14.

Two hours, first semester.

**20. AN INTRODUCTION TO RESEARCH IN HEALTH AND PHYSICAL EDUCATION** MR. BARTHOLOMEW

Fundamental techniques in research. A survey of research completed and needed. Includes a practicum. *Three semester hours credit.*

Three hours, second semester.

**21. CARE AND PREVENTION OF INJURIES** MR. BARTHOLOMEW

The official Beginners' Red Cross First Aid course, with emphasis on the practical aspects of symptom recognition and safety.

Two hours, first semester.

*One semester hour credit.*

**22. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION** MR. BARTHOLOMEW

Written and practical tests in the fields of health and physical education.

Two hours, second semester.

*Two semester hours credit.*

### Health Education

**10. PERSONAL HYGIENE** MISS KENNEY

Practical aspects of the everyday life of the individual in respect to personal hygiene. Special emphasis is placed upon the acquisition of desirable attitudes toward personal health. *Three semester hours credit.*

Three hours, first semester.

**11. COMMUNITY HEALTH** MISS KENNEY

The role of official and non-official community organizations in the health of the individual, from the viewpoint of administration and service. As a practical approach, conditions in the home, school, and community at large will be analyzed. *Three semester hours credit.*

Three hours, second semester.

**12. SCHOOL HEALTH PROBLEMS** MR. BARTHOLOMEW

The recognition and possible solution of typical problems.

Three hours, first semester.

*Three semester hours credit.*

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\*Open to men only.

## 14. ANATOMY, PHYSIOLOGY AND KINESIOLOGY

MR. BARTHOLOMEW

A combination theoretical and practical study of human structure and function. Analysis of the effects of health and physical education activities on the body.

*Six semester hours credit.*

Three hours, throughout the year.

## History

*Professor FORTENBAUGH, Associate Professors BLOOM, CRAPSTER, and GLATFELTER,  
and Instructors ALEXANDER and BUGBEE*

Requirements for a major include Courses 1, 20, and 21. All majors and minors are required to take History 1 as their first course. Courses 1, 3a, 3b, and 6, are open to Sophomores; all other courses are upper-class courses. English majors and pre-law students are advised to take History 2.

## 1. HISTORY OF WESTERN CIVILIZATION

MR. ALEXANDER

A survey from pre-literary times to the present, describing the growth of social institutions.

*Six semester hours credit.*

Three hours, throughout the year.

## 2. HISTORY OF ENGLAND

MR. CRAPSTER

A survey from Roman times to the present, emphasizing institutional and cultural developments.

*Six semester hours credit.*

Three hours, throughout the year.

## 3a. HISTORY OF THE UNITED STATES TO 1865

MESSRS. BLOOM, GLATFELTER, AND BUGBEE

History 3a and 3b give a survey from the discovery and early explorations to the present. These courses will, with History 9, meet the requirements for certification to teach in the public schools of Pennsylvania. See also History 6.

Three hours, first semester.

*Three semester hours credit.*

## 3b. HISTORY OF THE UNITED STATES SINCE 1865

MESSRS. BLOOM, GLATFELTER, AND BUGBEE

Three hours, second semester.

*Three semester hours credit.*

## 4. THE UNITED STATES, 1899-1939

MR. FORTENBAUGH

An intensive study of this important forty-year period with emphasis upon economic and social development.

*Three semester hours credit.*

Prerequisite: History 3 or 6. Three hours, first semester.



## 5. AMERICAN ECONOMIC HISTORY

MR. BUGBEE

Economic life and forces throughout the history of the United States.

Three hours, either semester.

*Three semester hours credit.*

## 6. HISTORY OF THE UNITED STATES AND OF PENNSYLVANIA

MR. BLOOM AND MR. GLATFELTER

A course for non-history majors recommended for those seeking certification in the social studies in the public schools of Pennsylvania.

Three hours, throughout the year.

*Six semester hours credit.*

## 7. AMERICAN CONSTITUTIONAL HISTORY

MR. BLOOM

Origins and development of the Constitution of the United States, considering its political theories, judicial interpretation, and institutional forms.

*Three semester hours credit.*

Prerequisite: History 3 or 6. Three hours, first semester.

## 9. HISTORY OF PENNSYLVANIA

MR. FORTENBAUGH AND MR. GLATFELTER

The Commonwealth from colonial days to the present. See also History 6.

Three hours, either semester.

*Three semester hours credit.*

## 10. EUROPE FROM THE RENAISSANCE TO 1763

MR. CRAPSTER

A survey of European history in the early modern period in its world setting—the Renaissance, the Reformation, the growth of national states, and the Enlightenment.

*Three semester hours credit.*

Prerequisite: History 1. Three hours, first semester.

## 11. EUROPE IN THE FRENCH REVOLUTIONARY AND NAPOLEONIC ERAS

MR. CRAPSTER

A survey of Europe from 1763 to 1789, followed by an intensive study of the political, social, economic, and intellectual developments taking place in Europe from 1789 to 1815.

*Three semester hours credit.*

Prerequisite: History 1. Three hours, second semester.

## 12. EUROPE FROM 1815 TO 1919

MR. CRAPSTER

A survey of European history in its world setting from the Congress of Vienna to the end of the First World War.

*Three semester hours credit.*

Three hours, first semester.

## 13. EUROPE SINCE 1919

MR. CRAPSTER

A survey of recent European history in its world setting.

Three hours, second semester.

*Three semester hours credit.*

## 14. HISTORY OF RUSSIA

MR. ALEXANDER

A survey of Russian history, emphasizing the period from 1682 to 1939.

*Six semester hours credit.*

Prerequisite: History 1. Three hours, throughout the year.

## 18. CIVIL WAR AND RECONSTRUCTION

MR. BLOOM

The sectional conflict in American history from the War with Mexico in 1846 to the end of Reconstruction 1877.

*Three semester hours credit.*

Prerequisite: History 3 or 6. Three hours, either semester.

## 19. THE AMERICAN COLONIAL PERIOD

MR. FORTENBAUGH

An intensive study of the colonial period before 1763 with emphasis upon economic, social, and religious development.

*Three semester hours credit.*

Prerequisite: History 3 or 6. Three hours, second semester.

## 20. HISTORICAL METHOD

MR. FORTENBAUGH

For Junior or Senior majors and other qualified students who expect to teach history.

*Three semester hours credit.*

Three hours, first semester.

## 21. UNDERGRADUATE SEMINAR

MR. FORTENBAUGH

Practice in the criticism and use of historical sources. For Junior or Senior majors.

*Two semester hours credit.*

Prerequisite: History 20. Two hours, to be arranged, second semester.

## 22. THE UNITED STATES SINCE 1939

MR. BLOOM

A continuation of History 4 with major emphasis upon recent domestic developments in the United States in relation to world affairs.

*Three semester hours credit.*

Prerequisite: History 3 or 6. Three hours, second semester.

## 23. DIPLOMATIC HISTORY OF THE UNITED STATES

MR. GLATFELTER

A survey of American foreign policy and its effects since 1776.

*Three semester hours credit.*

Prerequisite: History 3 or 6. Three hours, second semester.

## GERMAN HISTORY

See German 15.

## GREEK HISTORY

See Greek 4.

ROMAN HISTORY See Latin 11.

FRENCH HISTORY See French 21.

**Latin**

*Professor GLENN and Assistant Professor HELD*

Requirements for a major include Courses 1, 2, 3, 4, 10, 11, 13, and two courses from 5, 6, 7, and 8. Course B-C may be used to meet the foreign language requirement above the "A" course or for the second language requirement. Courses 1, 2, 3, 4, 6, 7, 8, and 23 may be applied in fulfillment of foreign language above the "A" course, the literature, or second language requirement. Students planning to do graduate work in Latin should take college Greek courses.

B-C. VERGIL MR. GLENN

Selections from the *Aeneid*. *Six semester hours credit.*

Prerequisites: Two years of secondary school Latin. Three hours, throughout the year.

1. ROMAN PROSE AND POETRY MR. GLENN

Selections from Livy, Catullus, and other authors. *Three semester hours credit.*

Prerequisites: Four years of secondary school Latin, or Latin B-C. Three hours, first semester.

2. HORACE MR. GLENN

Selections from the *Odes*, *Epodes*, *Satires*. *Three semester hours credit.*

Three hours, second semester.

3. CICERO MR. HELD

Life and literature in Cicero's time. *Three semester hours credit.*

Three hours, first semester.

4. ROMAN COMEDY MR. HELD

Selections from Plautus and Terence. Survey of the Roman Theatre; origin and development of Roman drama. *Three semester hours credit.*

Three hours, first semester.

Not given 1959-1960.

## 5. ROMAN LAW

MR. GLENN

Development and content of Roman Private Law. A knowledge of Latin is not required. *Three semester hours credit.*

Alternates with Course 7. Two hours, first semester.

Not given 1959-1960.

## 6. ROMAN PHILOSOPHY

MR. GLENN

Lucretius, *On the Nature of Things*.

*Two semester hours credit.*

Alternates with Course 8. Two hours, second semester.

Not given 1959-1960.

## 7. MEDIEVAL LATIN

MR. GLENN

Selections representing history, anecdote, the epistle, the drama, the essay, the dialogue, the novel, and epic lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth century to the seventeenth century. *Two semester hours credit.*

Alternates with Course 5. Two hours, first semester.

## 8. ROMAN ELEGY

MR. GLENN

Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research. *Two semester hours credit.*

Alternates with Course 6. Two hours, second semester.

## 10. LATIN LITERATURE IN ENGLISH

MR. HELD

A historical and critical survey of Roman Literature with a more intensive study of selected works. Attention is given to the relation of Roman Literature to other literatures. A knowledge of Latin is not required.

Three hours, second semester.

*Three semester hours credit.*

Not given 1959-1960.

## 11. ROMAN HISTORY AND CIVILIZATION

MR. HELD

The history of the Republic and the Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, private life, etc., and their influence on modern life. A knowledge of Latin is not required. *Three semester hours credit.*

Three hours, first semester.

## 13. LATIN PROSE COMPOSITION

MR. GLENN

One hour, throughout the year.

*Two semester hours credit.*



## 15. WORD-BUILDING

MR. GLENN

A course designed to aid pre-medical students and those of other sciences who desire to become familiar with scientific terminology and roots. A study is made of repeatedly used prefixes, endings, and key words from which scientific terms are compounded. The knowledge of Latin, while very useful, is not required of those who take the course. *Two semester hours credit.*

One hour, throughout the year.

## 23. ST. AUGUSTINE

MR. HELD

Selections from the first nine books of *The Confessions*. An introduction to the life and thought of the greatest of the Latin Fathers.

*Three semester hours credit.*

Three hours, first semester. This course may be substituted for Latin 3 or 4. Not given 1959-1960.

### Mathematics

*Professor ARMS, Associate Professor ZIEGLER, Assistant Professors BUTTERFIELD, FRYLING, and MOORHEAD*

Requirements for a major include Mathematics 6, and nine semester hours chosen from Courses 7, 8, 9, 10, 14, and 24. With adviser's approval Mathematics 21, Mathematics 23, and Mathematics 25 may be used as part of the course requirements for a major in Economics.

## 1a. COLLEGE ALGEBRA      MESSRS. BUTTERFIELD, MOORHEAD, AND ZIEGLER

A review of elementary algebra, the elementary theory of equations, complex numbers, the binomial theorem. *Three semester hours credit.*

Prerequisite: one unit of algebra. Three hours, first semester.

## 1b. PLANE TRIGONOMETRY      MESSRS. BUTTERFIELD, MOORHEAD, AND ZIEGLER

Definitions and properties of the trigonometric functions; solutions of triangles. *Three semester hours credit.*

Three hours, second semester.

## B. INTRODUCTORY COLLEGE MATHEMATICS

MESSRS. BUTTERFIELD AND MOORHEAD

An introduction to the fundamental concepts of Mathematics and the nature of Mathematics itself. Emphasis is placed upon principles and ideas rather than techniques. *Six semester hours credit.*

Three hours, throughout the year.

Prerequisites: one unit of algebra and one unit of geometry.

## 2. ELEMENTARY ANALYSIS

MESSRS. MOORHEAD AND ZIEGLER

A review of advanced algebra, trigonometry, plane analytical geometry, and introduction to calculus. *Six semester hours credit.*

Prerequisite: three units in mathematics including trigonometry. Three hours, throughout the year.

## 4. ANALYTICAL GEOMETRY AND CALCULUS

MR. ARMS

The essentials of analytical geometry, differential and integral calculus. For Freshmen majoring in Mathematics or Physical Science or for Sophomores who have superior grades in Mathematics 1. This course is equivalent to Mathematics 2 and Mathematics 6. *Ten semester hours credit.*

Five hours, throughout the year.

## 5. ANALYTICAL GEOMETRY

MR. ZIEGLER

Plane and solid analytical geometry, and an introduction to calculus.

*Six semester hours credit.*

Prerequisites: Mathematics 1a and 1b, or the equivalent. Three hours, throughout the year.

## 6. DIFFERENTIAL AND INTEGRAL CALCULUS

MR. FRYLING

The fundamental formulae of differentiation and integration, with applications. *Six semester hours credit.*

Prerequisite: Mathematics 2 or 5. Three hours, throughout the year.

## 7. MODERN ALGEBRA

MR. FRYLING

Prerequisite: Mathematics 2 or 5.

## 7A. MATRICES AND VECTOR SPACE

An introduction to linear algebra, matrices and quadratic forms. For the student of modern physics and allied subjects. *Four semester hours credit.*

Two hours, throughout the year.

## 7B. PROBABILITY

The basic concepts of logic and finite sets applied to probability theory.

Two hours, throughout the year.

**7C. THEORY OF EQUATIONS**

General theory of the solution of equations with an introduction to the theory of finite groups. *Four semester hours credit.*

Two hours, throughout the year.

**8. MODERN GEOMETRY**

MR. MOORHEAD

Prerequisite: Mathematics 6. Qualified students may register for one or more of the following with the approval of the Mathematics Adviser:

**8A. COLLEGE GEOMETRY (SYNTHETIC)**

Two hours, throughout the year.

*Four semester hours credit.*

**8B. ANALYTICAL GEOMETRY OF SPACE**

Two hours, throughout the year.

*Four semester hours credit.*

**8C. PROJECTIVE GEOMETRY (SYNTHETIC)**

Two hours, throughout the year.

*Four semester hours credit.*

**9. MODERN ANALYSIS**

MR. ARMS

Prerequisite: Mathematics 6. Qualified students may register for one or more of the following with the approval of the Mathematics Adviser.

**9A. DIFFERENTIAL EQUATIONS**

Two hours, throughout the year.

*Four semester hours credit.*

**9B. HIGHER CALCULUS AND THEORY OF EQUATIONS**

Two hours, throughout the year.

*Four semester hours credit.*

**9C. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE**

Two hours, throughout the year.

*Four semester hours credit.*

**14. READING COURSE**

MR. MOORHEAD

Supervised reading in pure and applied mathematics for Junior and Senior majors. Conference hours and semester hours credit as arranged.

**21. MATHEMATICS OF INVESTMENT**

MR. ZIEGLER

Compound interest as applied to annuities, life insurance, and depreciation.

*Three semester hours credit.*

Prerequisite: Mathematics 1a. Three hours, first semester.

## 10. METHODS OF TEACHING

MR. ZIEGLER

Methods of teaching high school mathematics supplemented with practice teaching and observation. *Four semester hours credit.*

Three periods, throughout the year.

## 23. ELEMENTARY STATISTICS

MR. ZIEGLER

Statistical concepts, methods of organizing and interpreting data. A study of mean, mode, median, correlation and index number.

*Three semester hours credit.*

Prerequisite: Mathematics 1a. Three hours, second semester.

## 24. INTRODUCTION TO MATHEMATICAL STATISTICS

MR. FRYLING

Elementary probability, frequency functions, sampling theory, correlation and regression, and general principles for testing hypotheses.

*Six semester hours credit.*

Prerequisite: Mathematics 6. Three hours throughout the year.

## 25. COSTS AND DEPRECIATION

MR. ARMS

An introduction to cost accounting.

*Six semester hours credit.*

Prerequisite: Economics 4. Three hours, throughout the year.

## Music

*Professors WAGNILD and SHAFFER, Associate Professor ACKLEY, Assistant Professor DANFELT, Instructors KADEL and BUDDÉ, Private Music Teachers*  
 SPRINGER, HEIKKINEN and MUMMERT

The degree of Bachelor of Science in Music Education will be awarded to those who wish to complete requirements for teaching or supervising music in the elementary and secondary schools. For further information see pages 51-52.

Requirements for a major in music leading to a Bachelor of Arts degree comprise a minimum of 24 hours, including Music 6, 7, 8, 12 and other courses upon the advice of the head of the department.

Requirements in applied music are as follows: (1) 2 years' participation in an authorized group organization, and 2 years of private instruction in voice, piano, organ or instrument authorized by the department.\* (2) Presentation of a recital in the Junior or Senior Year.\*\*

\*A thesis or additional private study may be substituted for group participation at the discretion of the Department.

\*\*In special cases a standard proficiency test may be submitted for a recital.



A musical aptitude test will be required of the student before he is accepted as a Music Major.

Individual instruction in voice, piano, and organ under the supervision of the department is offered by appointment.

1. APPRECIATION OF MUSIC

MR. SHAFFER AND MR. DANFELT

The principal musical forms against the background of the other arts.

Two hours, either semester.

*Two semester hours credit.*

2. APPRECIATION OF MUSIC DRAMA

MR. SHAFFER

A review of the history of opera and analyses of examples as drama and as music.

*Two semester hours credit.*

Two hours, second semester.

3. APPRECIATION OF THE SYMPHONY

MR. SHAFFER AND MR. DANFELT

Historical backgrounds and analyses of symphonic forms.

Two hours, first semester.

*Two semester hours credit.*

6. HISTORY OF MUSIC

MR. ACKLEY

A survey of the development of musical art from ancient to modern times.

Three hours, throughout the year.

*Six semester hours credit.*

7a. HARMONY

MR. WAGNILD

Scale and chord structure, chord relationship, non-chordal tones, and analyses.

Three hours, first semester.

*Three semester hours credit.*

7b. HARMONY

MR. WAGNILD

Diatonic chords with various bytones, harmonization or original melodies, simple modulation. Aural approach to harmonic effects.

Three hours, second semester.

*Three semester hours credit.*

8a. ADVANCED HARMONY

MR. WAGNILD

Chromatic harmony, modulation, creative work, analyses.

Three hours, first semester.

*Three semester hours credit.*

8b. ADVANCED HARMONY

MR. WAGNILD

Continuation of 8a. Special emphasis on modulation and use of chromatic alterations of diatonic chords in harmonizing melodies. Creative work.

Three hours, second semester.

*Three semester hours credit.*

## 9a. KEYBOARD HARMONY

MR. WAGNILD

Harmonic material applicable to the piano. Chord successions using all the diatonic harmonies, their inversions, and the simpler altered chords and modulations.

*Two semester hours credit.*

Prerequisites: Harmony 7a and 7b. Two hours, first semester.

Not given 1959-1960.

## 9b. KEYBOARD HARMONY

MR. WAGNILD

Continuation of 9a. Practical application of chromatic harmony and modulation. Creative work.

*Two semester hours credit.*

Two hours, second semester.

Not given 1959-1960.

## 10a, b. SIGHT-SINGING AND DICTATION

MISS KADEL

The singing and writing of diatonic intervals, triads, rhythmic patterns and melodies.

*Four semester hours credit.*

Three hours, throughout the year.

## 11a. ADVANCED SIGHT-SINGING AND DICTATION

MISS KADEL

The development of musical memory and the writing and singing of difficult rhythmic patterns, intervals, and melodic phrases; aural and visual analysis of harmonic structures.

*Two semester hours credit.*

Two hours, one semester.

## 12. MUSICAL FORM AND ANALYSIS

MR. ACKLEY

Motive, phrase, period, and analysis of the construction of these, along with binary and ternary forms of composition, the invention, fugue, sonata and symphony.

*Four semester hours credit.*

Prerequisites: Music 7a, 7b.

Two hours, throughout the year.

## 13. ORCHESTRATION

MR. DANFELT

Transposing and arranging music for various instrumental groups. Creative work.

Two hours, one semester.

*Two semester hours credit.*

## 14. CHORAL CONDUCTING

MR. WAGNILD

Technique of the baton, fundamentals of choral interpretation, problems of organization and maintenance of groups, survey of suitable materials in the choral field, and program building.

*Four semester hours credit.*

Two hours, throughout the year.

## 16. INSTRUMENTAL CONDUCTING

MR. DANFELT

Practical training in instrumental score reading and conducting.

Two hours, first semester.

*Two semester hours credit.*

## 18. ELEMENTARY METHODS

MISS KADEL

Materials and methods of teaching in the elementary grades. Psychology of presenting these materials to children. Study of the child voice and the development of good tone, rhythm, and a feeling for music. Music appreciation and classroom procedure.

*Three semester hours credit.*

Three hours, first semester.

## 19. INTERMEDIATE METHODS

MISS KADEL

Methods and materials used in the intermediate grades. Evaluation of materials and procedures. Study of choral group organization and training. Music appreciation and classroom procedure.

*Two semester hours credit.*

Two hours, second semester.

## 20. HIGH SCHOOL METHODS

MISS KADEL

The principles and procedures in teaching music in the junior and senior high schools. Emphasis on the study of the adolescent voice and its care, and on the methods and materials relative to the organization of various singing and playing ensembles. Evaluation of material, methods, and techniques.

Two hours, first semester.

*Two semester hours credit.*

## 21. WOODWIND INSTRUMENT CLASS

MR. DANFELT

The technique and tone control of woodwind instruments, using clarinet as basic instrument.

*Two semester hours credit.*

Two hours, throughout the year.

## 22. BRASS INSTRUMENT AND PERCUSSION CLASS

MR. DANFELT

Instruction in the technique and principles of tone control in the brasses with trumpet or cornet as the basic instrument, and a practical study of all percussion instruments used in band and orchestra.

Two hours, throughout the year.

*Two semester hours credit.*

## 23. STRINGED INSTRUMENT CLASS

MR. DANFELT

A laboratory course for beginners in the organization and techniques of stringed instruments instruction.

*Two semester hours credit.*

Two hours, throughout the year.

## 25. STUDENT TEACHING

Student observation and teaching in cooperation with and under the supervision of experienced teachers. Discussions and individual conferences.

One semester.

*Twelve semester hours credit.*

## Applied Music

The Music Department offers instruction in voice, piano, pipe organ, and the more common instruments. One semester hour credit is given for one half-hour private lesson per week.

The department also sponsors various musical organizations, including the choir, band and orchestra. All regular students are eligible to try out for any of these. Auditions are held at the beginning of the school year, or at other times by appointment.

One semester hour credit is given per semester for membership in the choir or band upon the student's completion of four hours of course instruction in the Music Department exclusive of Music 1, 2, and 3.

No student may offer more than eight semester hours of applied music towards a Bachelor of Arts degree.

## 31. VOICE

*Semester fee \$35*

Training in fundamentals of voice culture with emphasis upon breath control, resonance, tone quality, diction, pronunciation, and an appreciation of the best works of the masters.

*One semester hour credit.*

One half hour lesson per week. Either or both semesters.

## 33. PIANO

*Semester fee \$35*

Development of touch, technique, rhythm, expression and interpretation.

Repertoire adapted to ability of the student. *One semester hour credit.*

One half hour lesson per week. Either or both semesters.

Forty minute lesson per week. *Semester fee \$40*

## 35. PIPE ORGAN

*Semester fee \$45*

Acquisition of technique and independence in playing upon the manuals and pedals. Repertoire adapted to ability of the student.

Prerequisite: Satisfactory piano technique. *One semester hour credit.*

One full hour lesson per week. Either or both semesters.

## 37. INSTRUMENTAL INSTRUCTION

*Semester fee \$35*

Available in most common instruments. Repertoire adapted to ability of the student. *One semester hour credit.*

One half hour lesson per week. Either or both semesters.



**50. CHOIR**

The choir is composed of approximately sixty singers of both sexes chosen by audition. The best of choral literature is studied intensively. In addition to appearances in nearby cities, a ten-day concert tour is taken each spring.

Five rehearsals weekly.

*One semester hour credit.*

**55. BAND**

Membership in the band, which is open to men and women alike, depends entirely on the individual's musical ability and interest. The band plays at athletic events, and during the second semester gives concerts on the campus and in nearby cities.

*One semester hour credit.*

Three rehearsals weekly.

## Philosophy

*Professor RICHARDSON, Associate Professor SCHUBART, and Instructor COULTER*

The courses in philosophy offer a study of the questions men have asked and the answers that they have proposed when they have reflected upon the major problems they have faced. An emphasis is placed upon the methods of inquiry, and on the relation of philosophy to the natural sciences, the social studies, and the humanities.

Course 1 or 3 is prerequisite for all others, unless permission is obtained from the department. Requirements for a major are 30 hours as chosen in consultation with the department. Bible 8 and 13, and Greek 7 and 13 may be included with permission of the department.

**1. INTRODUCTION TO PHILOSOPHY**

MR. RICHARDSON

The main approaches to philosophy: scientific, aesthetic, ethical, and religious. Their assumptions, methods, and results will be analyzed with a view to giving the student both the tools and the motive for building his own philosophy.

*Three semester hours credit.*

Three hours, second semester.

**3. LOGIC**

MR. SCHUBART AND MR. COULTER

3a. The principles of clarity in language and structure in thought, and their application.

*Three semester hours credit.*

Three hours, first semester.

3b. The principles involved in attaining reliable knowledge of any subject matter, with emphasis on the humanities and social sciences.

Three hours, second semester.

*Three semester hours credit.*

## 4a. HISTORY OF ETHICS

MR. SCHUBART

The most significant philosophies of ethics from the Greeks to the present.

Three hours, first semester.

*Three semester hours credit.*

## 4b. PRINCIPLES OF ETHICS

MR. SCHUBART

An analysis of the principles of ethics, such as value, obligation, and law, and their application to individual and social problems.

Three hours, second semester.

*Three semester hours credit.*

## 5. AESTHETICS

MR. SCHUBART

A study of the various philosophies of the creation, the appreciation, and the evaluation of works of art.

*Three semester hours credit.*

Three hours, second semester.

## 10. HISTORY OF PHILOSOPHY

MR. COULTER

The development of thought concerning man and his place in the universe from the Greeks to the eighteenth century.

*Six semester hours credit.*

Three hours, throughout the year.

## 13. NINETEENTH CENTURY PHILOSOPHY

MR. RICHARDSON

A study of the major philosophies of the nineteenth century, especially the philosophical idealism of Kant and Hegel as a criticism of the Enlightenment and as a major constructive attempt, as well as the major critics of idealism: Kierkegaard, Marx, and Nietzsche.

Three hours, second semester.

*Three semester hours credit.*

Not given 1959-1960.

## 14. TWENTIETH CENTURY PHILOSOPHY

MR. SCHUBART

An analysis of contemporary philosophies including realism, pragmatism, logical empiricism, experimental naturalism, and existentialism. Each student will have the opportunity to make a detailed study of one philosopher or philosophy.

*Three semester hours credit.*

Three hours, first semester.

## 16. PHILOSOPHY OF RELIGION

MR. RICHARDSON

An historical and systematic study of our present religious beliefs.

Three hours, second semester.

*Three semester hours credit.*

## 18. THE PHILOSOPHY OF SCIENCE

MR. COULTER

A study of scientific knowledge: the ideals, presuppositions, methods, and values which its proponents and opponents have thought to be characteristic of it. Special emphasis will be placed upon the contributions of logical analysis to the clarification and resolution of these issues.

Three hours, first semester.

*Three semester hours credit.*

## 19. PHILOSOPHY OF HISTORY

MR. COULTER

An examination of the nature of human history and its importance for an understanding of the human situation; an analysis of the kinds of knowledge we can acquire from the study and interpretation of historical facts.

Three hours, second semester.

*Three semester hours credit.*

## 20. SENIOR SEMINAR

MR. RICHARDSON

An advanced seminar for philosophy majors, in which one contemporary problem will be studied, and solutions suggested from the varying points of view of major philosophical thinkers.

*Three semester hours credit.*

Three hours, second semester.

## 21. INDEPENDENT STUDY

STAFF

With the consent of the department senior majors may take a course of directed reading under the supervision of individual members of the staff.

*Hours and credit to be arranged.*

## Physics

*Professor LONG, Associate Professor MARA, Assistant Professors DANIELS and SCOTT, Instructors WEANER and HOMAN, Lecturer CORBIN, and ASSISTANTS*

The Department of Physics offers courses of study to impart to the student an increasing curiosity concerning the physical world in which he finds himself, to have the student learn some of the unifying principles of physics and their historical development, to introduce methods of objective thinking and precise measurement, and to provide fundamental training for students planning to do advanced work in graduate physics and engineering curricula.

Requirements for a major include a minimum of 32 semester hours. All majors are required to take Physics 3, 5 and 8, Chemistry 1, Mathematics through Differential Equations, and other courses in Physics according to their needs and interests and upon the advice of the head of the department.

**1. GENERAL PHYSICS**

MESSRS. DANIELS, SCOTT, WEANER, AND HOMAN

Introduction to selected basic principles and phenomena of mechanics, heat, sound, electricity and magnetism, light, and modern physics. This course is designed to satisfy the needs of students not majoring in science.

*Eight semester hours credit.*

Prerequisite: College Entrance Algebra. Three class hours and three laboratory hours, throughout the year.

**102. GENERAL PHYSICS**

MESSRS. MARA, SCOTT, AND HOMAN

Introduction to the fundamental laws of mechanics, heat, sound, electricity and magnetism, and light. Emphasis is placed on mathematical analysis and on applications through problems. For students majoring in sciences.

*Eight semester hours credit.*

Prerequisites: Mathematics 2 or 5 (may be taken concurrently). Three class hours, and three laboratory hours, throughout the year.

**3a, b. INTERMEDIATE PHYSICS AND LABORATORY MEASUREMENTS**

MR. LONG

First semester: Introduction to the study of modern physics, including the atom, the nucleus, particles and waves. Second semester: Analytical mechanics of particles and waves.

*Six semester hours credit.*

Prerequisite: Physics 102, and calculus which may be taken concurrently. Two class hours and three laboratory hours, throughout the year.

**4. ENGINEERING MECHANICS**

MR. WEANER

The fundamental principles of statics and dynamics with emphasis on analysis and problem-solving. Required of all 3-2 pre-engineering students.

*Six semester hours credit.*

Prerequisites: Physics 102 and calculus. Three hours throughout the year.

**5a, b. ELECTRICITY, MAGNETISM, AND OPTICS**

MR. LONG

Fundamental laws of electric and magnetic fields, with the elementary applications of these laws to circuits, to a study of the electrical and magnetic properties of matter, and to physical optics.

*Six semester hours credit.*

Prerequisites: Physics 102 or 3 and calculus. Credit will be given for 5a by itself; however, 5a is prerequisite to 5b. Three class hours, throughout the year.

**6a, b. INTRODUCTORY ELECTRONICS**

MR. DANIELS

Direct and alternating current circuit analysis, principles of operation of electron tubes and electron tube circuits, and their application in experimental physics.

*Eight semester hours credit.*

Prerequisite: Physics 3 (May be taken concurrently) and calculus. Credit



will be given for 6a by itself; however, 6a is prerequisite to 6b. Three class hours and three laboratory hours, throughout the year.

#### 7a, b. MODERN PHYSICS

MR. MARA

Special relativity, black body radiation, introduction to quantum mechanics with emphasis on its application to atomic and molecular structure and nuclear theory. *Six semester hours credit.*

Prerequisite: Physics 102 and 3a, and calculus. Credit will be given for 7a by itself; however, 7a is prerequisite to 7b. Three class hours, throughout the year.

#### 8. THEORETICAL MECHANICS

MR. MARA

A mathematical approach to the dynamics of particles and rigid bodies; vibration motion and waves, scalar and vector fields, boundary value problems. The methods of vector calculus, Fourier series, partial differential equations, special functions, etc., are emphasized. *Six semester hours credit.*

Prerequisites: Physics 102 and Mathematics 9A or 9B (may be taken concurrently). Three class hours, throughout the year.

#### 9. NUCLEAR ENERGY LABORATORY

MR. DANIELS

Detection of nuclear radiation particles and determination of their properties with emphasis on experiment. Problems of health physics associated with nuclear technology are stressed throughout the course.

*Two semester hours credit.*

Prerequisite: Physics 6 and calculus, or permission of instructor. One class hour and three laboratory hours, second semester.

#### 10. PROBLEMS IN PHYSICS

STAFF

Individual problems in experimental or theoretical physics leading to a research paper. Offered to Junior or Senior majors who have the approval of the department for this course. *Semester hours credit as arranged.*

Hours and credit as arranged.

#### 12. DESCRIPTIVE ASTRONOMY

MR. DANIELS

General and descriptive astronomy.

*Two semester hours credit.*

No prerequisite. Two class hours, first semester.

#### 13. HEAT AND THERMODYNAMICS

MR. WEANER

Introduction to the concepts of heat and temperature, and of elementary thermodynamics and of kinetic theory. Applications to problems.

*Three semester hours credit.*

Prerequisites: Physics 102 and calculus. Three class hours, second semester.

**21. DESCRIPTIVE GEOMETRY****MR. CORBIN**

The use and care of instruments, lettering, and the theory of projection drawing in preparation for solving engineering problems by projection and revolution of points, lines, and planes. *Two semester hours credit.*

Required of all pre-engineering students. No prerequisites.  
Six laboratory hours, first semester.

**22. ENGINEERING DRAWING****MR. CORBIN**

Intersections and developments, assembly and detail drawings, sections and dimensions. *Two semester hours credit.*

Required of all pre-engineering students. Prerequisites: Physics 21 or approval of instructor.  
Six laboratory hours, second semester.

**25. ACOUSTICS****MR. WEANER**

Descriptive study of vibration and sound waves, and of simple vibrating systems. *Three semester hours credit.*

This course is intended to satisfy the requirement of a course in acoustics for students taking the B.S. Degree in Music Education.

## Political Science

*Associate Professor JARVIS and Instructors BOENAU and HAMPTON*

Students majoring in Political Science are required to complete a minimum of 24 semester hours, including 1 and 14 (a or b). In addition, majors are required to take Economics 3A or 3a. Students who require only three credits in Political Science should take 1a. Majors should take 1 in the Sophomore year. 4 is especially recommended for pre-legal students.

**1a. AMERICAN GOVERNMENT****STAFF**

Government at the national level—origins, constitutional principles and development, problems of federalism, the individual and government, the democratic political process, the three branches of government.

Three hours, first semester.

*Three semester hours credit.*

**1b. AMERICAN GOVERNMENT****STAFF**

Domestic and foreign policies and problems at the national level, state constitutions and governmental structure, units and forms of local government, problems and trends at the state and local level.

Three hours, second semester.

*Three semester hours credit.*

## 3a. FOREIGN GOVERNMENTS

MR. BOENAU

Principles and practices underlying the organization and operation of principal governments of Europe. *Three semester hours credit.*

Three hours, first semester.

## 3b. FOREIGN GOVERNMENTS

MR. BOENAU

Principles and practices underlying the organization and operation of principal governments of Asia. *Three semester hours credit.*

Three hours, second semester.

## 4a. CONSTITUTIONAL LAW

MR. JARVIS

Case studies of Supreme Court decisions involving powers of the legislative, executive, and judicial branches of the National Government.

Three hours, first semester. *Three semester hours credit.*

## 4b. CONSTITUTIONAL LAW

MR. JARVIS

Case studies of Supreme Court decisions involving the powers of State governments, constitutional protection of individual rights.

Three hours, second semester. *Three semester hours credit.*

## 5. INTERNATIONAL LAW AND ORGANIZATION

MR. JARVIS

The international community and its organization, status of members, jurisdiction over land, sea, and air, nationals and aliens, international agents and agreements, procedures for adjusting international differences, techniques of international cooperation. *Three semester hours credit.*

Three hours, second semester.

## 6. BUSINESS AND GOVERNMENT

MR. JARVIS

An examination and appraisal of public policy relating to the economy generally, as reflected in legislation and judicial decisions—anti-trust and unfair trade practices regulation, public utilities, labor, agriculture, fiscal and monetary controls, government ownership and operation, war and depression measures. *Three semester hours credit.*

Three hours, first semester.

Given in *odd* numbered years only. Alternates with course 8.

## 8. POLITICAL PARTIES

MR. JARVIS

Politics and the politician, party evolution, organization, procedures, policies, and prospects. Emphasis is placed on evaluation of current political party developments and trends. *Three semester hours credit.*

Three hours, first semester.

Given in *even* numbered years only. Alternates with course 6.

## 9. INTERNATIONAL RELATIONS

MR. HAMPTON

National policies of major world powers in the post-war world against the background of geographic, economic, demographic, and strategic influences, with special emphasis on the role of the United States in current world developments.

*Three semester hours credit.*

Three hours, first semester.

## 11. AMERICAN POLITICAL THOUGHT

MR. HAMPTON

A survey of American political philosophy from colonial times to the present, as expressed in the writings, speeches, and activities of leading personalities in American politics.

*Three semester hours credit.*

Three hours, second semester.

Given in *odd* numbered years only. Alternates with course 16.

## 14a. POLITICAL THEORY

MR. JARVIS

The evolution of Western political thought from ancient to modern times, as expressed in the writings of the great political philosophers of history.

Three hours, first semester.

*Three semester hours credit.*

## 14b. POLITICAL THEORY

MR. JARVIS

Contemporary political doctrines—a critical analysis of rival ways of life in the modern world: communism, fascism, capitalism, and socialism.

Three hours, second semester.

*Three semester hours credit.*

## 16. AMERICAN FOREIGN POLICY

MR. HAMPTON

The machinery and processes involved in foreign policy determination, past and present problems of American foreign policy and current developments, commitments in special areas, the United Nations and foreign policy.

Three hours, second semester.

*Three semester hours credit.*

Given in *even* numbered years only. Alternates with course 11.

## 18. SENIOR SEMINAR

STAFF

The integration of subject matter taken in the field of Political Science to provide training in locating research materials and in presenting individual reports, both oral and written, and to prepare majors for comprehensives and for graduate work.

*Three semester hours credit.*

Three hours, second semester.

Open only to Seniors majoring in Political Science who have permission of the department chairman.



## Psychology

*Professor SMOKE, Associate Professor PLATT, Assistant Professors SHAND,\*  
OSTRANDER, FRANK, and WOOD, and Instructor MUDD*

Psychology 1 is a prerequisite for all other courses in the department. Requirements for a major include Psychology 1, 4, 10, and 12, and twelve additional hours, as approved by the department. Students looking forward to being recommended for admission to graduate school will be expected to take Psychology 8 and 11.

Psychology majors are advised to take Psychology 8 no later than their Junior year.

At least one year of postgraduate work is almost always required of applicants for positions in psychology.

### 1. GENERAL PSYCHOLOGY

STAFF

Introductory survey of the facts and principles of psychology, including the study of human motivation, emotion, perception, thought, intelligence, and personality. Some attention is given to the applications of psychology, especially in the solution of personal and social problems.

Three hours, either semester.

*Three semester hours credit.*

### 2. BUSINESS AND INDUSTRIAL PSYCHOLOGY

MESSRS. OSTRANDER AND MUDD

Application of psychological principles and techniques to the study of problems in business and industry.

*Three semester hours credit.*

Three hours, second semester.

### 3. SOCIAL PSYCHOLOGY

MESSRS. SMOKE AND OSTRANDER

Psychological study of human experience and behavior in social situations.

Three hours, second semester.

*Three semester hours credit.*

### 4. HISTORY OF PSYCHOLOGY

MR. MUDD

Major developments in the history of psychology, with special attention to the rise of basic theoretical viewpoints.

*Three semester hours credit.*

Open only to Juniors and Seniors.

Three hours, first semester.

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\*On leave 1957-1959.

## 5. APPLIED PSYCHOLOGY

Applications of psychology to such specific areas as market research, public opinion polling, guidance and counseling, criminology, and getting a job. Outside readings and reports in areas of student's special interests.

Three hours, first semester.

*Three semester hours credit.*

Not given 1959-1960.

## 6. MENTAL HYGIENE

MESSRS. SMOKE AND FRANK, AND MRS. WOOD

Principles of personal adjustment and the use of these principles in everyday living. The understanding of one's self with respect to abilities, interests, attitudes, and traits of personality.

*Three semester hours credit.*

Three hours, second semester.

## 7. PSYCHOLOGY OF PERSONALITY

MR. SMOKE

The nature of personality, together with the methods and results of its study.

Three hours, second semester.

*Three semester hours credit.*

## 8a. PSYCHOLOGICAL TESTS AND MEASUREMENTS

MR. OSTRANDER

The development and interpretation of tests used to measure general intelligence, special aptitudes, and achievement. Strengths and weaknesses of the Binet, Wechsler, Otis and other group tests. Statistical treatment of test results.

*Three semester hours credit.*

Two class hours and two laboratory hours, first semester.

## 8b. PSYCHOLOGICAL TESTS AND MEASUREMENTS

MR. OSTRANDER

The development and interpretation of tests used in the study of personality. Special attention is given to the measurement of interests and attitudes.

*Three semester hours credit.*

Prerequisite: Psychology 8a. Two class hours and two laboratory hours, second semester.

## 9. CHILD AND ADOLESCENT PSYCHOLOGY

MRS. WOOD

The growth and development of the child and adolescent, including such topics as learning, maturation, perceptual development, and social behavior.

Some attention is given to the exceptional child.

Three hours, either semester.

*Three semester hours credit.*

## 10. EXPERIMENTAL PSYCHOLOGY

MR. PLATT

An introduction to experimental methods and design. Methods of control and the treatment and interpretation of data are emphasized. Laboratory work and selected readings. *Three semester hours credit.*

Open only to Juniors and Seniors who are majors in the Department.

Two class hours and one three-hour laboratory period, either semester.

## 11. PSYCHOLOGICAL STATISTICS

MR. PLATT

A study of statistics commonly used in research in psychology, including measures of central tendency, variability, correlation, and reliability.

Three hours, first semester.

*Three semester hours credit.*

## 12. ADVANCED GENERAL PSYCHOLOGY

MR. PLATT

Motivation, perception, learning, and other topics in general psychology for advanced students. *Three semester hours credit.*

Prerequisite: Twelve semester hours in Psychology.

Three hours, second semester.

## 13. INTRODUCTION TO CLINICAL PSYCHOLOGY

MR. FRANK

A survey of the field of clinical psychology, its problems, methods, and areas of application. Not a course in clinical practice. *Three semester hours credit.*

Prerequisite: Six semester hours in Psychology.

Junior and Senior course. Three hours, first semester.

## 14. ABNORMAL PSYCHOLOGY

MR. FRANK

Abnormalities of personality and behavior in mentally handicapped, deviant, neurotic, and psychotic persons. *Three semester hours credit.*

Prerequisite: Six semester hours in Psychology. Junior and Senior course.

Three hours, second semester.

## 15. SENIOR RESEARCH

MESSRS. SMOKE AND PLATT

Supervised individual research projects.

*Semester hours as arranged.*

Open only to Seniors who are majors in the department. Conference hours as arranged, first semester.

## 16. PSYCHOLOGY OF LEARNING

MR. PLATT

Recent investigations in all phases of learning, including a study of factors affecting the efficiency of human learning and retention. An introductory survey of contemporary learning theories is included.

*Three semester hours credit.*

Prerequisite: Six semester hours in Psychology. Three hours, first semester.

## 17. CONTEMPORARY PSYCHOLOGICAL LITERATURE

MR. PLATT

A review of recent books, journal articles, and research projects related to significant contemporary developments in the field of Psychology. Opportunity will be given for independent reading on topics of special interest to the individual student.

*Three semester hours credit.*

Prerequisite: Six semester hours in Psychology. Three hours, second semester.

## 18. HUMAN RELATIONS

MR. OSTRANDER

Discussion and criticism of recent research in communication, social perception, and other topics bearing on human interaction. Directive and non-directive interviewing, role playing, and the preparation of case studies as aids in the understanding of human relations. Opportunity will be given for independent research on topics of special interest to the individual student.

*Three semester hours credit.*

Junior and Senior course. Three hours, first semester.

## 19. PHYSIOLOGICAL PSYCHOLOGY

MR. PLATT

A consideration of behavior and of mental processes as they are related to the structure and functioning of the organism. Emphasis is placed on sensation, perception, learning, and problem solving. Some attention is given to physiological bases of psychopathology.

*Three semester hours credit.*

Prerequisite: Six semester hours in Psychology. Three hours, second semester.

## Reserve Officers Training Corps (ROTC)

*(Army and Air Force)*

Gettysburg College participates in the National Security Program by offering to its students, in cooperation with the Department of Defense, the opportunity to enroll in one of the Reserve Officer Training programs. The purpose of these programs is to provide trained reserve officers to meet present active-service and possible future emergency manpower requirements of the Army and Air Force. The training is conducted by officers and enlisted personnel of these two services through integrated courses in the classroom, leadership laboratories, seminars, and practical application. Adequate equipment, including radios, motor vehicles, recoilless weapons, small arms, films, charts, instruments, models, etc., as well as field trips to Army Posts and Air Force bases, are utilized for instructional purposes. The necessary textbooks and uniforms are provided by the Federal Government. Reserve Officer training is an integral part of the student's regular academic schedule and does not increase the total graduation requirements of those participating.



Both the Army and the Air Force provide Reserve Officer Training facilities at Gettysburg College. Each training program is divided into two general courses—Basic and Advanced. The Basic Course, taken during the Freshman and Sophomore years, provides a general background for the Army or Air Force. College credit is given for ROTC. Students taking ROTC are not required to take Physical Education. Both ROTC programs are open to all physically qualified male students who are citizens of the United States. Women students may enroll in Air Science courses for academic credit only.

Students who have successfully completed the Basic Course, have demonstrated a satisfactory degree of proficiency and leadership, and meet required physical and aptitude standards, may enroll in the Advanced Course. Any student who has completed two years of honorable military service is authorized, if otherwise qualified, to apply for enrollment in the Advanced Course at the beginning of his Junior year. Members of a National Guard or Reserve Unit may enroll in the Basic Course without change in status and be excused from attending Armory Drill while participating in Army ROTC.

Advanced Course students are provided with uniforms which are retained by them after they are commissioned and are paid approximately \$535 during their 21 months of advanced study in the ROTC program. Between their Junior and Senior years, ROTC students attend a summer camp (six weeks for Army ROTC students and four weeks for AFROTC students) which is devoted to practical application of the courses of instruction they have received during the previous three years in the classroom and leadership laboratories. Students are reimbursed for travel expenses to and from summer camp and are paid approximately \$20 per week.

Under the General Military Science program, Army ROTC graduates may be commissioned in any one of the 17 branches or technical services of the Army. The branch in which a student is to be commissioned is determined by his academic background, his individual desires, and the needs of the Army at the time he receives his commission. Those students who are outstanding and are designated Distinguished Military Students may apply for Regular Army Commissions. Any officer who desires and is physically qualified may receive Army Aviation or Airborne training. Special programs are available to students who plan to enter the legal or medical professions or the ministry.

AFROTC graduates may be commissioned as Pilots or Flying Observers or within limited quotas as chaplains, meteorologists, administrative officers, or specialists in a variety of fields related to their college major. Distinguished AFROTC Graduates may apply for Regular Air Force Commissions. Those who enter active duty in a Reserve status may later be authorized to apply for a regular commission. After completion of flying training, pilots are usually assigned flying duty with an operational unit, and will normally also perform secondary administrative duties related to their academic majors, past training, and personal interests. WAF graduates who accept a commission will be assigned to non-hazardous duties related to their academic majors and personal interests.

Meteorologists spend the first year of their active-duty tours pursuing graduate study which may lead to a Master's degree at a technological institution. Chaplain Trainees are deferred from active duty until after completion of their theological studies.

At present, students participating in either the Army or Air Force ROTC programs may be deferred from induction under the Selective Service Act so long as they maintain satisfactory academic averages and continue to demonstrate potential ability to become commissioned officers. Army ROTC students who are commissioned must agree to serve at least two years on active duty if called, and to remain in the Reserves for an additional four years, a total of six years from the date of commission. Graduates in excess of Army active-duty requirements receive six months of active-duty training and remain thereafter in the Ready Reserves until the eighth anniversary of their commissioning. Ex-servicemen or veterans are obligated to attend Branch Officer Schools. Graduates may be deferred from call to active duty if upon commissioning they have indicated they intend to do graduate work in any field. AFROTC graduates electing Pilot or Observer training are committed to five years of active duty and one year in the Active Reserves. All other AFROTC graduates are obligated for three years of active duty if called, and for three years of inactive reserve status, totaling six years from date of commission. Any graduate in excess of Air Force requirements, may receive six months of active-duty training and remain thereafter in the reserve for seven and a half years. Veterans are not obligated for active duty.

## Military Science and Tactics

*Professor BEECHINOR, Assistant Professors BEIRNE and PETERSON, and Assistant Instructors DOVE, PROSPERI, TOMLIN, BORING, and DAYE*

### Basic Course

#### 1. BASIC COURSE, FRESHMAN

Leadership; American Military History; weapons and marksmanship.

*Four semester hours credit.*

Four periods, throughout the year (2 in the classroom, 2 in outdoor drill).

#### 2. BASIC COURSE, SOPHOMORE

Leadership; role of the Army in National security; logistics.

*Four semester hours credit.*

Four periods, throughout the year (2 in classroom, 2 in outdoor drill).

## Advanced Course

### 3. ADVANCED COURSE, JUNIOR

Leadership, exercise of command; methods of instruction; organization, function and mission of the services; small unit tactics; communications and miscellaneous Military subjects. *Six semester hours credit.*

Six periods, throughout the year (4 in classroom, 2 in outdoor drill).

### 4. ADVANCED COURSE, SENIOR

Leadership, exercise of command; estimate of the situation; combat orders; command and staff; administration; military justice and boards; military intelligence; training management; the military team; troop movements; supply and evacuation; tactics of the battle group; motor transportation; service orientation; miscellaneous military subjects. *Six semester hours credit.*

Six periods, throughout the year (4 in classroom, 2 in outdoor drill).

## Air Science

*Professor PETERS, Assistant Professors COVINGTON, SMITH, STORMS, and TEUFEL, and Assistant Instructors DENNINGTON, SALO, WALKER, and WARRINGTON*

## Basic Course

### 1. FOUNDATIONS OF AIR POWER

A general survey of air power designed to provide the student with an understanding of the elements of air power and basic aeronautical science.

*Four semester hours credit.*

Four periods, throughout the year (2 in classroom, 2 in leadership laboratory).

### 2. FOUNDATIONS OF AIR POWER

A year long survey of the development of aerial warfare, with emphasis on principles of war, concepts of employment of forces, and changing weapon systems. Treatment of aerial warfare covers targets, weapon systems, delivery vehicles, bases and operations.

*Four semester hours credit.*

Four periods, throughout the year (2 in classroom, 2 in leadership laboratory).

## Advanced Course

### 3. AIR FORCE OFFICER DEVELOPMENT

A year-long treatment of the knowledge and skills required of a junior officer in the Air Force with special emphasis on staff duties and leadership. Includes Air Force leadership doctrine, staff organization and functions, com-

municating, instructing, problem solving techniques, leadership principles and practices, and the military justice system.

Six periods, throughout the year (4 in classroom, 2 in leadership laboratory).  
Also 4 weeks in Summer Training Unit for applied air science.

#### 4. GLOBAL RELATIONS

A study of global relations of special concern to the Air Force officer with attention to such aspects as weather, navigation, geography, and international relations. *Six semester hours credit.*

Six periods, throughout the year (4 in classroom, 2 in leadership laboratory).

### Romance Languages

*Professor BACHMAN, Associate Professors HAMME and HARTSHORNE, Assistant Professors BARRIGA and SANBORN, and Instructors J. WEANER and PLAYFOOT*

Requirements for a major in French or Spanish include a minimum of 24 semester hours above the A course; 30 semester hours are necessary for a teaching major.

Requirements for a teaching major or minor in French include courses 3 and 5.

Requirements for a major in Spanish include a reading knowledge of a second foreign language.

Language laboratory facilities are available for use by students in elementary and intermediate courses.

### French Language

#### A. ELEMENTARY FRENCH

STAFF

Essentials of grammar; practice in composition, reading, and translation.

Three hours, throughout the year.

*Six semester hours credit.*

#### 1. INTERMEDIATE FRENCH

STAFF

Grammar review and composition. Reading of selections from modern French authors. *Six semester hours credit.*

Prerequisite: French A or its equivalent. Three hours, throughout the year.

#### 3. ADVANCED FRENCH COMPOSITION AND CONVERSATION

MR. BACHMAN

Systematic study of French grammar including composition drill. Stress on free composition and oral expression. *Six semester hours credit.*

Prerequisite: French 1. Three hours, throughout the year.

Not given 1959-1960.



## 5. PRACTICAL PHONETICS

MR. BACHMAN

Practice in phonetic transcription and pronunciation. Laboratory course.

*Three semester hours credit.*

## 6. INTRODUCTION TO ROMANCE PHILOLOGY

MR. BACHMAN

Morphology of French, Spanish, and possibly Italian. Emphasis on the phenomena having special significance for teachers or graduate students. Recommended to majors and minors both in French and Spanish.

*Three semester hours credit.*

Not given 1959-1960.

## 7. OLD FRENCH LANGUAGE AND LITERATURE

MR. BACHMAN

The various *genres* of medieval French literature.*Two semester hours credit.*

Prerequisite: French 6. Two hours, second semester. Alternates with French 21.

Not given 1959-1960.

## 9. EXPLICATION DE TEXTES

MR. BACHMAN

Designed for Seniors only. Conference hours as arranged, either semester.

Two hours, either semester.

*Two semester hours credit.*

Not given 1959-1960.

**French Literature**

The following courses fulfill the one-year literature requirement.

## 11. SURVEY COURSE IN FRENCH LITERATURE

MR. SANBORN

A general survey of French literature from the Middle Ages to the 19th century.

*Six semester hours credit.*

Prerequisite: French 1 or its equivalent. Three hours, throughout the year.

Not given 1959-1960.

## 13. FRENCH LITERATURE OF THE 19TH CENTURY, 1800-1850

Selections from poets and prose writers of the Romantic and Realistic movements.

*Six semester hours credit.*

Prerequisite: French 1 or its equivalent. Three hours, throughout the year. Alternates with French 14.

**14. FRENCH LITERATURE OF THE 19TH CENTURY, 1850-1900**

Selections from poets and prose writers of the Naturalistic and Symbolistic movements. *Six semester hours credit.*

Prerequisite: French 1 or its equivalent. Three hours, throughout the year.  
Not given 1959-1960.

**15. FRENCH LITERATURE OF THE 20TH CENTURY****MR. SANBORN**

The more recent literary tendencies of France, with special reference to the national life and character. *Six semester hours credit.*

Prerequisite: French 1 or its equivalent. Three hours, throughout the year.  
Alternates with French 11.

**17. FRENCH LITERATURE OF THE 17TH CENTURY****MR. BACHMAN**

French classicism as revealed in the dramatic works of Corneille, Molière, and Racine. Study of the representative prose writers. *Six semester hours credit.*

Prerequisite: French 1 or its equivalent. Three hours, throughout the year.  
Not given 1959-1960.

**18. FRENCH LITERATURE OF THE 18TH CENTURY****MR. BACHMAN**

Critical study of the "*esprit philosophique*" as illustrated in the writings of Montesquieu, Voltaire, Diderot, d'Alembert, Buffon, Rousseau, and others.

*Six semester hours credit.*

Prerequisite: French 1 or its equivalent. Alternates with French 17.  
Three hours, throughout the year.

**French Civilization, Methods, Seminar****21. HISTORY OF FRENCH CIVILIZATION****MR. BACHMAN**

A survey of French history, emphasizing the French contributions to the political, social, and cultural movements of Europe.

*Three semester hours credit.*

No language requirements. Three hours, second semester.

**23. METHODS OF TEACHING FRENCH****MR. BACHMAN**

Lesson planning in conjunction with grammar review; discussion concerning the cultural material to be used; selection of suitable texts.

Open only to Juniors and Seniors who expect to teach and who have been recommended by the department head. *Three semester hours credit.*

Three hours, first semester. Given only in alternate years.

Not given 1959-1960.

25. THESIS IN FRENCH

STAFF

Conference hours as arranged, either semester. *Two semester hours credit.*

26. SEMINAR IN FRENCH LITERATURE AND CIVILIZATION

*Hours and credit to be arranged.*

## Spanish Language

A. ELEMENTARY SPANISH

STAFF

Fundamentals of grammar and reading. *Six semester hours credit.*

Three hours, throughout the year.

1. INTERMEDIATE SPANISH

STAFF

Review of Spanish grammar, conversation, translation, and composition.

*Six semester hours credit.*

Prerequisite: Spanish A or its equivalent. Three hours, throughout the year.

2. ADVANCED COMPOSITION AND CONVERSATION

MRS. WEANER

Social and business letter writing, short Spanish themes, advanced grammar, and conversation based on current events and life-situations.

*Six semester hours credit.*

Prerequisite: Spanish 1 or its equivalent. Three hours, throughout the year.

## Spanish Literature

Courses 10 through 17 fulfill the one-year literature requirement. Prerequisite: Spanish 1 or its equivalent.

10. SURVEY COURSE IN SPANISH LITERATURE

MR. BARRIGA

The development of the Spanish géneros literarios to the present day. Geographical and historical background. *Six semester hours credit.*

Three hours, throughout the year.

Not given 1959-1960.

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11. SPANISH-AMERICAN LITERATURE MR. BARRIGA  
A survey course with emphasis on poetry and the novel.  
Three hours, throughout the year. *Six semester hours credit.*
12. NINETEENTH CENTURY SPANISH DRAMA MR. HAMME  
Neo-classic, romantic and post-romantic Spanish drama.  
*Six semester hours credit.*  
Three hours, throughout the year.
13. NINETEENTH CENTURY SPANISH NOVEL MR. BARRIGA  
The costumbrista movement. Reading and discussion of works from Cecilia Böhl de Faber to and including some of the works by Pérez Galdós.  
Three hours, throughout the year. *Six semester hours credit.*  
Not given 1959-1960.
14. TWENTIETH CENTURY SPANISH LITERATURE MRS. WEANER  
Reading and study of novels beginning with the Generation of 1898.  
Three hours, throughout the year. *Six semester hours credit.*  
Prerequisite: Spanish 1 or its equivalent.
15. CONTEMPORARY SPANISH DRAMA MR. BARRIGA  
Reading and study of the outstanding plays of the 20th Century beginning with the Generation of 1898. *Six semester hours credit.*  
Three hours, throughout the year.  
Not given 1959-1960.
16. NOVELA DEL SIGLO DE ORO MR. HAMME  
*La novela picaresca* and *Don Quijote*. *Six semester hours credit.*  
Three hours, throughout the year.  
Not given 1959-1960.
17. TEATRO DEL SIGLO DE ORO MR. HAMME  
Lope de Vega and other dramatists of the Siglo de Oro.  
Three hours, throughout the year. *Six semester hours credit.*  
Not given 1959-1960.



## Spanish Civilization, Methods, Seminar

### 21. METHODS AND TECHNIQUE OF TEACHING SPANISH      MR. HAMME

Technique, lesson planning, selection of textbooks, remedial teaching. Lectures, reports, and classroom practice.      *Three semester hours credit.*

For teaching majors. Hours as arranged.

Three hours, first semester.

Not given 1959-1960.

### 22. THESIS IN SPANISH      STAFF

Research and outlining. Individual conferences.      *Two semester hours credit.*

Prerequisite: Any course from the group 10-21.

Two hours either semester. Conference hours as arranged.

## Russian

*(See German)*

## Sociology

*Professor BLOSS, Visiting Professor DOUGLAS, and Instructor SHEAFFER*

Requirements for a major include Sociology 1, 2, 10, and 11 and twelve additional semester hours in Sociology as approved by the department. Students looking forward to Social Work must take Sociology 3 and 9.

Sociology 1 is prerequisite to all other courses except in special cases approved by the department.

### 1. PRINCIPLES OF SOCIOLOGY      STAFF

Survey of the basic forms of human association and interaction; culture and personality; collective behavior; institutions; social organization; social change.

Three hours, either semester.

*Three semester hours credit.*

### 2. CULTURAL ANTHROPOLOGY      STAFF

Interrelation of the individual, society, and culture. Analysis of diverse cultures with reference to their institutions, value systems, and behavior patterns.

Three hours, either semester.

*Three semester hours credit.*

## 3. INTRODUCTION TO SOCIAL WORK

Miss Bloss

Development and organization of modern social services under public and private auspices. Basic processes of social case work, group work and community organization.

*Three semester hours credit.*

Three hours, first semester.

## 4. FIELD WORK EXPERIENCE

Miss Bloss

Current trends in the philosophy and practice of social work. Two hours seminar one day each week plus field work for one-half day per week in approved social agencies offering supervision.

*Three semester hours credit.*

Senior course. Three hours, second semester.

## 5. THE FAMILY

Miss Bloss and Mrs. Douglas

Comparative study of the family in selected cultures. Social, psychological and economic problems of the family in the U. S. Shifting roles of family members.

Three hours, first semester.

*Three semester hours credit.*

## 7. AMERICAN SOCIETY: URBAN AND RURAL PATTERNS

Miss Bloss

Rural-urban trends and their significance. Problems arising from the urbanization and industrialization of American society.

Three hours, second semester.

*Three semester hours credit.*

## 8. PUBLIC OPINION

Miss Bloss

Relationship of public opinion to social control and collective behavior. Special attention given to the influence of the various techniques of mass communication.

*Three semester hours credit.*

Three hours, first semester.

## 9. SOCIAL LEGISLATION

Miss Bloss

The changing philosophy of Government to meet the needs of modern industrial civilization; special attention given to present day social welfare policies and programs at the federal, state and local levels.

Three hours, second semester.

*Three semester hours credit.*

## 10. SOCIAL THEORY

Mr. Sheaffer

The contributions of leading European and American sociologists to contemporary theory. Recent trends in American sociology.

*Three semester hours credit.*

Three hours, first semester.

11. METHODS OF SOCIAL RESEARCH

MR. SHEAFFER

Types of social investigation, procedures and techniques. Collection, classification, analysis and interpretation of data.  
*Three semester hours credit.*  
Three hours, second semester.
12. SOCIAL CHANGE IN MODERN SOCIETY

MR. SHEAFFER

Theories of social change applied to social movements in selected contemporary societies.  
*Three semester hours credit.*  
Three hours, first semester.
13. CRIMINOLOGY

MISS BLOSS

Analysis of the social, cultural and psychological factors involved in the development of the criminal; evaluation of our present system of criminal justice; trends and future objectives.  
*Three semester hours credit.*  
Three hours, first semester.
14. DYNAMICS OF SMALL GROUPS

MISS BLOSS

Development of the small group research movement. Dynamics of the participative group. Social perception, communication, leadership and social competence in small group situations. Sociometric structure in personality and group formation.  
*Three semester hours credit.*  
Three hours, first semester.
15. INDUSTRIAL SOCIOLOGY

MISS BLOSS

The industrial plant as a complex social organization; the functional relationships between industrial production and other aspects of societal organization.  
*Three semester hours credit.*  
Three hours, second semester.
16. RACIAL AND CULTURAL MINORITIES

MRS. DOUGLAS

Problems of social stratification. Dynamics of segregation and integration policies.  
*Three semester hours credit.*  
Three hours, second semester.
20. SEMINAR

STAFF

Research and reading on selected topics related to the field of sociology.  
Open only to senior majors.  
Either semester.  
*Hours and credit to be arranged.*

Spanish

*(See Romance Languages)*

Speech

*(See English)*



# Alumni Organizations

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## The Alumni Association

The Gettysburg College Alumni Association, founded in 1835, is comprised of all graduates and former students of the College. It is organized to promote the welfare of Gettysburg College and to maintain good fellowship among the members. Though the Association meets once a year at the Collation on Saturday of Commencement Weekend, the Alumni Council, open to all, meets at Commencement and Fall Homecoming. The Executive Committee meets each January and August to plan for the activities ahead.

Many local branches of the Association hold frequent meetings. Parents of undergraduates and members of the Gettysburg College Woman's League in the area are welcomed at social meetings of the local clubs.

### Association Officers

*President* ..... WILLIAM H. B. STEVENS, '26, 410 N. Third St., Harrisburg, Pa.  
*Vice President* ..... LAVERN H. BRENNEMAN, '36, 2233 Loucks Rd., York, Pa.  
*Director of Alumni Relations*, HAROLD A. DUNKELBERGER, '36, Gettysburg College  
*Recording Secretary* .... FREDERICK B. DAPP, JR., '43, R. D. 3, Mechanicsburg, Pa.  
*Treasurer* ..... ROBERT D. HANSON, '39, 112 Market St., Harrisburg, Pa.

## Local Club Organizations

### Adams County

*President* ..... S. M. RAFFENSPERGER, '47, R. D. 2, Gettysburg, Pa.  
*Secretary* .. . . . MRS. HELEN BREAM, '54, 248 Chambersburg St., Gettysburg, Pa.

### Altoona, Pa.

*President* ..... HAROLD J. PEGG, '25, 117 E. Southy Ave., Altoona, Pa.  
*Secretary* .. . . . MRS. LOIS SNOOK, '52, 405 E. Main St., Roaring Spring, Pa.

### Baltimore, Md.

Annual Meeting, Third Monday in April

*President* ..... L. JOHN BARNES, '52, 3703 Nortonia Rd., Baltimore, Md.  
*Secretary* .. . . . MRS. G. M. REESE, '48, 7846 Birmingham Ave., Baltimore, Md.

### Central Pennsylvania

*President* ..... ARTHUR L. RUTHS, '45, 412 W. College Ave., State College, Pa.  
*Secretary* .....

### Chicago, Ill.

*President* ..... MALCOLM D. SHUTTERS, '36, 2112 W. LeMoyne Ave., Chicago 22, Ill.  
*Secretary* ..... FRANK C. HERDJE, '43, 211 Krotiak Rd., Park Forest, Ill.

### Cleveland, Ohio

*President* ... DONALD F. LYBARGER, '19, Court of Common Pleas, Court House, Cleveland, Ohio  
*Secretary* ..... WILLIAM K. HOUSEHOLDER, '53, 24415 Garden Dr., Apt. 511, Euclid, Ohio

### Delaware

*President* ..... J. RICHARD KENDALL, '51, 3 Rodman Rd., Gordon Heights, Wilmington, Dela.  
*Secretary* ..... MARGUERITE WEAVER, '14, 3509 Tatnall St., Wilmington, Dela.

### Detroit, Mich.

*President* ..... JOHN C. LEIDY, '51, 23212 Edsel Ford Ct., St. Clair Shores, Mich.  
*Secretary* ..... MRS. JOHN C. LEIDY, '51, 23212 Edsel Ford Ct., St. Clair Shores, Mich.

### Franklin County

*President* ..... LESLIE M. HARTMAN, '50, 522 Naleon Ave., Chambersburg, Pa.  
*Secretary* .....

### Frederick-Carroll County

Annual Meeting, Third Thursday in April

*President* ..... GEORGE MOTTER, '47, 68 York St., Taneytown, Md.  
*Secretary* ..... SAMUEL W. BARRICK, '48, 1202 Beachwood Dr., Frederick, Md.

### Greater Boston-New England

*President* ..... HOWARD B. MAXWELL, '52, 40 Clyde St., Newtonville 60, Mass.  
*Secretary* ..... BARBARA BROWN, '58, 37 Summit Ave., Brookline, Mass.

### Hagerstown, Md.

Annual Meeting, First Saturday in February

*President* ..... RAYMOND M. MILLER, '35, S. Martin St., Clear Spring, Md.  
*Secretary* ..... JOHN T. BRENNAN, '54, Box 407, Hagerstown, Md.

### Harrisburg, Pa.

*President* ..... CARL F. CHRONISTER, '35, 422 Park Ter., Paxtang, Harrisburg, Pa.  
*Secretary* ..... JEAN L. KEEFER, '43, 413 W. Main St., Mechanicsburg, Pa.

### Johnstown, Pa.

*President* ..... RICHARD M. OTT, '50, 304 Haverford St., Johnstown, Pa.  
*Secretary* ..... MRS. L. P. KROGGEL, '56, 577 Hystone Ave., Johnstown, Pa.

**Lancaster, Pa.**

*President* ..... ROBERT E. O'BRIEN, '51, Silver Spring Rd., Landisville, Pa.  
*Secretary* ..... MRS. WALLACE E. FISHER, '41, 930 Marietta Ave., Lancaster, Pa.

**Lehigh Valley**

*President* ..... JAMES H. WAGNER, '47, 3021 Mission Rd., Bethlehem, Pa.  
*Secretary* ..... MRS. EDITH MUMPER, '29, 421 Florida Ave., Fullerton, Pa.

**Louisiana**

*President* ..... M. R. MILLER, '20, 1109 Eleanore St., New Orleans, La.  
*Secretary* .....

**New York**

Annual Meeting, First Friday in February

*President* ..... FREDERICK G. WEISSER, JR., '52, 3 East Mill Dr., Great Neck, N. Y.  
*Secretary* ..... MICHAEL SLEPPIN, '53, 50 Shelley Lane, Great Neck, N. Y.

**North Central Pennsylvania**

Annual Meeting, Second Thursday in May

*President* ..... JOHN W. HOUGH, '35, 594 E. Mountain St., S. Williamsport, Pa.  
*Secretary* ..... FRED H. SMITH, '24, 420 Tinsman Ave., Williamsport, Pa.

**Northeastern Pennsylvania**

Annual Meeting, First Saturday after Labor Day

*President* ..... JOHN C. VILLAUME, '38, 319 Harwood Ave., Clarks Summit, Pa.  
*Secretary* ..... GEORGIA OSWALD, '53, Wyoming Seminary, Kingston, Pa.

**Northern California**

*President* ..... ERIC E. DUCKSTAD, '39, 707 DeSoto Dr., Palo Alto, Calif.  
*Secretary* ..... MARTIN P. GLYNN, '49, 1907 Leavenworth St., San Francisco, Calif.

**Philadelphia, Pa.**

Annual Meeting, Last Saturday in January

*President* ..... DAVID W. HETRICK, '34, 30 Woodcroft Rd., Havertown, Pa.  
*Secretary* ..... PATRICIA BRENNAN, '55, 801 Rowland Ave., Cheltenham, Pa.

**Pittsburgh, Pa.**

*President* ..... N. RONALD PEASE, '55, Office Admissions, U. of Pittsburgh, Pittsburgh 13, Pa.  
*Secretary* ..... BRUCE COBAUGH, '05, 3428 Harrisburg St., Pittsburgh, Pa.

**Reading and Berks County**

*President* ..... RICHARD W. MILLER, '48, 816 N. 5th St., Reading, Pa.  
*Secretary* ..... G. KENNETH NEWBOULD, '31, 1409 Monroe Ave., Wyomissing, Pa.

**Rochester Area**

*President* ..... MARTIN DOLBEER, '43, 369 Seneca Pkwy., Rochester, N. Y.  
*Secretary* ..... MRS. JULIUS TONDAT, '46, 2064 Penfield Rd., Penfield, N. Y.

**Somerset, Pa.**

*President* ..... RICHARD H. STETLER, '43, Stoyestown, Pa.  
*Secretary* ..... R. N. SENFT, '38, Jennerstown, Pa.

**Southern California**

*President* ..... LOUIS F. MERTZ, '42, 5961 Walton St., Long Beach, Calif.  
*Secretary* ..... H. S. FOSTER, JR., '52, 6203 San Ramon Way, Buena Park, Calif.

**Southern West Virginia**

*President* ..... CHARLES A. HAMILL, '20, 6 Willow Glen, Huntington, W. Va.  
*Secretary* .....

**South Jersey**

Annual Meeting, Third Saturday in April

*President* ..... JANICE GRACEY, '48, 1025 Collings Ave., West Collingswood, N. J.  
*Secretary* ..... MRS. W. M. PLASKET, '48, 50 Walnut St., Salem, N. J.

**Southwestern Ohio**

*President* ..... ARBOUR L. YINGST, '29, 112 Abordeer Dr., Middletown, Ohio  
*Secretary* ..... MRS. DONALD L. HOWELLS, '49, 2020 Riverside Dr., Columbus 21, Ohio

**Washington, D. C.**

Annual Meeting, First Thursday in May

*President* ..... LUKE WESTENBERGER, '36, 3713 Battery Rd., Alexandria, Va.  
*Secretary* ..... NORMA GRIMES, '57, 1850 Mintewood Pl., N.W., Apt. 1, Washington 9, D. C.

**Western Pennsylvania**

Annual Meeting, Second Thursday in April

*President* ..... E. JEROME ALEXIS, '48, 100 North High St., Zelienople, Pa.  
*Secretary* ..... HUGH I. STITT, '16, 204 N. Jefferson St., Kittanning, Pa.

**York County**

Annual Meeting, Second Thursday in May

*President* ..... AUSTIN LANGE, '35, 400 Hillcrest Rd., York, Pa.  
*Secretary* ..... FRED H. DALLMEYER, '37, 124 S. Strathecona Dr., York, Pa.

**Faithful Fifty (Philadelphia, Pa., Social Group)**

*President* ..... JOHN W. GOUKER, '33, 5829 Wissahickon Ave., Philadelphia 44, Pa.  
*Secretary* ..... WILLIAM P. KIRBY, '51, 2326 Fuller St., Philadelphia 36, Pa.



# Students in College

## Seniors, Class of 1959

Acker, Charles B., *Scranton, Pa.*  
 Adams, Warren B., *Paulsboro, N. J.*  
 Adams, William F., *Upper Montclair, N. J.*  
 Africa, Sally Ann, *Huntingdon, Pa.*  
 Albright, Gene M., *Gardners, Pa.*  
 Albright, Judith, *Havertown, Pa.*  
 Alexander, Eugene, *Cumberland, Md.*  
 Amundsen, Sandra M., *Tenafly, N. J.*  
 Anderson, Jeannette L., *Baltimore, Md.*  
 Andrews, Edward M., *Crum Lynne, Pa.*  
 Annichiarico, Vincent P., *Dobbs Ferry, N. Y.*  
 Axe, Mary H., *Drexel Hill, Pa.*

Barr, C. Rush, III, *Conshohocken, Pa.*  
 Bartholet, William M., *New York, N. Y.*  
 Baumgardner, Thomas W., *Harrisburg, Pa.*  
 Baumgardner, E. Wayne, *Taneytown, Md.*  
 Beagle, Howard T., *Prospect Park, Pa.*  
 Beal, Benjamin, *Pittsburgh, Pa.*  
 Beck, Arthur H., *Glenolden, Pa.*  
 Beck, Charles A., Jr., *Westernport, Md.*  
 Bender, George, *Gettysburg, Pa.*  
 Berkey, Helen L., *Waynesboro, Pa.*  
 Berklite, Ronald, *Waynesboro, Pa.*  
 Billman, George T., *Louisville, Pa.*  
 Binger, Harry H., *Williamsport, Pa.*  
 Bitner, William E., *Shiremanstown, Pa.*  
 Bohner, Carl C., *Dornstife, Pa.*  
 Bolton, Joseph, Jr., *Camp Hill, Pa.*  
 Bonney, Carole L., *Harrisburg, Pa.*  
 Borke, Barbara A., *New Cumberland, Pa.*  
 Bose, Charles L., *York, Pa.*  
 Bower, Suzanne C., *Ridgewood, N. J.*  
 Boyd, Barclay, *Dallastown, Pa.*  
 Brandt, William H., *Mechanicsburg, Pa.*  
 Bream, Peggy Jo, *Gettysburg, Pa.*  
 Brobst, Lois A., *Telford, Pa.*  
 Brooks, George H., *Lebanon, Pa.*  
 Brunell, Paul, *Hempstead, N. Y.*  
 Buckley, Benjamin C., Jr., *Roselle, N. J.*  
 Burg, Dawn E., *Red Lion, Pa.*  
 Burkert, Shirley A., *Baltimore, Md.*  
 Butz, George O., *Baltimore, Md.*  
 Butz, Richard R., *Chambersburg, Pa.*

Calcagni, Gino R., *Allentown, Pa.*  
 Cance, Penelope L., *West Palm Beach, Fla.*  
 Chamberlain, Donald J., *Gettysburg, Pa.*  
 Charuhas, Jean H., *Silver Spring, Md.*  
 Clark, John H., *Lancaster, Pa.*  
 Clauss, Errol M., *Rahway, N. J.*  
 Clegg, Ruth Ann, *Philadelphia, Pa.*  
 Cochran, John R., *Altoona, Pa.*  
 Cockshaw, Peter, *West Orange, N. J.*  
 Cole, William F., *Ortanna, Pa.*  
 Condor, William, *Gettysburg, Pa.*  
 Conway, William P., *Bronxville, N. Y.*  
 Coyne, Henry F., *Locust Gap, Pa.*  
 Crain, Diane L., *Harrisburg, Pa.*

Damian, Anthony, *Hazleton, Pa.*  
 Damon, Philip, *Ho-Ho-kus, N. J.*  
 Day, Patricia, *Pompton Plains, N. J.*

Deiley, Robert M., *Allentown, Pa.*  
 Denman, David R., *Maplewood, N. J.*  
 Dethlefsen, James, *Bayonne, N. J.*  
 Detweiler, C. Dale, *Blooming Glen, Pa.*  
 Diehl, William S., *Northumberland, Pa.*  
 Dill, John R., *Roselle Park, N. J.*  
 Dobson, Geoffrey, *Jamaica, N. Y.*  
 Donald, Edward E., *Bozman, Md.*  
 Doub, John W., Jr., *Baltimore, Md.*  
 Dresher, Mary Ann, *Lansdale, Pa.*  
 Duckworth, Florence A., *Sharon Hill, Pa.*  
 Dulebohn, George D., *Greencastle, Pa.*  
 Duncan, Alan C., *Robesonia, Pa.*

Edmiston, Guy S., Jr., *Elizabethtown, Pa.*  
 Emich, Donald C., *East Petersburg, Pa.*  
 Emigh, Carl M., *Turtle Creek, Pa.*  
 Ensor, Barbara J., *Lutherville, Md.*  
 Enterline, William W., *Ashland, Pa.*  
 Evans, Barry L., *Dillsburg, Pa.*  
 Eveler, Robert, *Windsor, Pa.*  
 Eyde, Albert C., *Absecon, N. J.*

Farley, George E., *Gardners, Pa.*  
 Fassbender, William V., *Williamstown, N. J.*  
 Ferrey, George E., Jr., *Conyngham, Pa.*  
 Fiore, Frank J., *Irrington, N. J.*  
 Fischer, William P., *Haverford, Pa.*  
 Fleming, Roger E., *Ardmore, Pa.*  
 Flood, James F., *Abington, Pa.*  
 Foellner, Jean M., *Manheim, Pa.*  
 Foltz, Frederick A., *Williamsport, Pa.*  
 Ford, Ronald W., *Coatesville, Pa.*  
 Frazee, William J., *Fort Hill, Pa.*

Garman, Michael F., *Johnstown, Pa.*  
 Geiser, John L., *Royersford, Pa.*  
 Gilroy, Nancy J., *Brookville, N. Y.*  
 Gindlesperger, Norman L., *Windber, Pa.*  
 Giorgio, Nicholas A., Jr., *Hartford, Conn.*  
 Gnant, Marilyn R., *Pearl River, N. Y.*  
 Good, Christine A., *York, Pa.*  
 Grant, Edward M., Jr., *Media, Pa.*  
 Grathwohl, James F., *Cutchogue, N. Y.*  
 Greiner, George H., *Neffsville, Pa.*  
 Grommisch, Edna B., *Oneonta, N. Y.*  
 Grzelecki, Frank E., *Schenectady, N. Y.*  
 Gundrum, David H., *York, Pa.*  
 Gutekunst, Donald P., *Philadelphia, Pa.*

Haddfield, Richard, *Phoenixville, Pa.*  
 Hall, Anthony J., *Rahway, N. J.*  
 Hallman, Rosanna L., *Souderton, Pa.*  
 Hamilton, Bruce E., *Fairfield, Conn.*  
 Handwerk, Reynold A., *Allentown, Pa.*  
 Hannel, Arthur G., *Buffalo, N. Y.*  
 Harter, Charles, *Berwick, Pa.*  
 Hathaway, Jack D., *Lutherville, Md.*  
 Hattery, John W., *Baltimore, Md.*  
 Hays, Sarah B., *Emmitsburg, Md.*  
 Hazen, Cynthia B., *West Chester, Pa.*  
 Henry, John T., *Dallastown, Pa.*  
 Heuser, Edwin W., *Wayne, Pa.*

Hise, Richard T., *Gettysburg, Pa.*  
 Hock, John L., *Bloombsburg, Pa.*  
 Hoff, Walter M., *Brooklyn, N. Y.*  
 Hoffman, McPherson G., *New York, N. Y.*  
 Hoffner, Martin, *Bristol, Pa.*  
 Hood, Nancy E., *Havertown, Pa.*  
 Horner, Kay A., *Sinking Spring, Pa.*  
 Howell, Robert, *Elmont, N. Y.*  
 Hoy, Carol, *Sharon Hill, Pa.*  
 Hyland, Thomas W., *Lancaster, Pa.*

Irvin, Lee, *Gettysburg, Pa.*

Jackson, Roger F., *Baltimore, Md.*  
 Jacques, William L., *Milltown, N. J.*  
 Johnson, Elizabeth, *Warren, Pa.*  
 Johnson, Laurence N., *Bloomfield, N. J.*  
 Jones, David J., *Ardmore, Pa.*

Katinsky, Jack D., *Camden, N. J.*  
 Kauffman, Frederick, Jr., *Elizabethtown, Pa.*  
 Kear, Norman R., *Forest Hills, N. Y.*  
 Kegerreis, George D., *Harrisburg, Pa.*  
 Kellow, John C., Jr., *Pen Argyl, Pa.*  
 Keyes, Charles R., Jr., *North Linthicum, Md.*  
 Kilpatrick, Margaret, *Mt. Holly, N. J.*  
 King, Earl S., *Baltimore, Md.*  
 King, Paul F., *Wayne, Pa.*  
 King, Walter W., Jr., *Huntingdon Valley, Pa.*  
 Kinney, George R., *Moorestown, N. J.*  
 Kitzmiller, John M., *Wyomissing, Pa.*  
 Kline, Jack A., *Pine Grove, Pa.*  
 Koehler, Betty L., *Baltimore, Md.*  
 Kolb, Nicholas A., *Bethesda, Md.*  
 Kolz, Alan C., *Fairlawn, N. J.*  
 Komroff, Peter S., *Neponsit, L. I., N. Y.*  
 Koon, Joseph, *Honeoye, N. Y.*  
 Kosty, Jon A., *Oreland, Pa.*  
 Koulouris, Constantine P., *Elizabeth, N. J.*  
 Koven, W. Carter, *White Plains, N. Y.*  
 Krall, Kenneth B., *Morrisville, Pa.*  
 Kratzert, John M., *New Oxford, Pa.*  
 Kressman, Virginia A., *Easton, Pa.*  
 Kroculick, George F., *Jim Thorpe, Pa.*  
 Krone, George B., *York, Pa.*

Landgren, Anita H., *Pearl River, N. Y.*  
 Langeluttig, Bernard L., *Baltimore, Md.*  
 Langhans, William W., *Tarrytown, N. Y.*  
 Langsam, Geoffrey H., *Cincinnati, Ohio*  
 Larkin, John L., *Seaside Park, N. J.*  
 Lawver, Donald E., *Gettysburg, Pa.*  
 Leh, Andrew V., *Nazareth, Pa.*  
 Leidich, John D., *Sheridan, Pa.*  
 Leight, Janet, *West Point, Pa.*  
 Leight, Richard A., *New Cumberland, Pa.*  
 Liedel, George L., *Fairlawn, N. J.*  
 Limpert, John W., Jr., *Maplewood, N. J.*  
 Little, Delores J., *Johnstown, Pa.*  
 Little, George R., *Pittsburgh, Pa.*  
 Lloyd, Dorothy J., *Towson, Md.*  
 LoBianco, Charles J., Jr., *Baltimore, Md.*  
 Logan, Nancy, *Lansdowne, Pa.*  
 Lohmeier, Lucille A., *Garden City Park, L. I., N. Y.*  
 Long, Gerald R., *Altoona, Pa.*  
 Ludin, Reinhard C., *New Hyde Park, N. Y.*

McConnell, Michael L., *Blairsville, Pa.*  
 McElroy, Harold T., Jr., *Lancaster, Pa.*  
 McGrail, David B., *Woodbury, N. J.*  
 MacDougall, Thomas P., *Ridgewood, N. J.*  
 Machamer, Zoe, *Pocono Pines, Pa.*  
 MacIvor, Wilbur N., Jr., *New Cumberland, Pa.*  
 Mackley, David, *Littlestown, Pa.*  
 Magor, John L., *North Miami, Fla.*

Mailman, Morton, *Philadelphia, Pa.*  
 Manning, Kenneth D., *Arcadia, Fla.*  
 May, Everett, *Blawenburg, N. J.*  
 Melech, Robert C., *Rochester, N. Y.*  
 Melnik, Walter, Jr., *Collingswood, N. J.*  
 Merryman, Donald W., *Whiteford, N. J.*  
 Meyer, Kae L., *Hatboro, Pa.*  
 Mickouls, D. Vaughn, *Windber, Pa.*  
 Miller, Donald W., *Baltimore, Md.*  
 Miller, Edmund M., *Mt. Wolf, Pa.*  
 Miller, Elizabeth J., *Hungerford, Pa.*  
 Mills, Marjorie, *Haddonfield, N. J.*  
 Mitchell, John E., *Fairlawn, N. J.*  
 Montgomery, John F., *New Rochelle, N. Y.*  
 Moore, John F., *Lansdale, Pa.*  
 Moore, John N., Jr., *Downingtown, Pa.*  
 Morrow, William H., Jr., *Gettysburg, Pa.*  
 Motta, Ernest T., *Panama*  
 Mumma, Harvey M., *Gettysburg, Pa.*  
 Murphy, Lois M., *Springfield, Pa.*  
 Murphy, Mary Lou, *Pittsburgh, Pa.*  
 Murray, James W., *Emporium, Pa.*  
 Myers, George D., *Ardmore, Pa.*  
 Myers, William W., *West Chester, Pa.*

Naper, Paul, *Baltimore, Md.*  
 Nassehi, Fraidoun, *Tehran, Iran*  
 Newman, Terry, *Hanover, Pa.*  
 Noble, John P., *New Oxford, Pa.*  
 Nonas, Paul J., *Leonia, N. J.*

Oblinger, C. Roberts, Jr., *Harrisburg, Pa.*  
 O'Brien, James L., *Jackson Heights, N. Y.*  
 Odell, Donald, *New Rochelle, N. Y.*  
 Olsen, Arloe R., Jr., *Hockessin, Dela.*

Paul, Ronald L., *Harrisburg, Pa.*  
 Paules, Philip, *York, Pa.*  
 Paull, M. Benson, *Louysville, Pa.*  
 Payne, Herbert M., Jr., *Ellicott City, Md.*  
 Pelton, Kenneth R., Jr., *Westfield, N. J.*  
 Philidus, Robert T., Jr., *Baldwin, N. Y.*  
 Philson, Robert M., *Myersdale, Pa.*  
 Plank, Walter E., *Newburg, Pa.*  
 Potteiger, Lester A., *Gettysburg, Pa.*  
 Potter, George D., *King of Prussia, Pa.*  
 Powell, Eugene A., *Lemoyne, Pa.*  
 Poysner, Warren, Jr., *Lancaster, Pa.*  
 Pratt, Robert M., *Madison, Conn.*  
 Prevost, Jules F., Jr., *Radnor, Pa.*  
 Purdy, Richard, *Lansdowne, Pa.*  
 Pushkar, Matthew A., *Pittsburgh, Pa.*  
 Putman, Kathryn I., *Harrisburg, Pa.*

Ramsdell, Ronnie R., *Wynnewood, Pa.*  
 Reed, Carol R., *Baltimore, Md.*  
 Reeser, David L., *Wyomissing, Pa.*  
 Reich, Ira M., *Hillside, N. J.*  
 Reihart, Donald L., *York, Pa.*  
 Rentschler, Gretchen, *Athens, Pa.*  
 Rhoads, Jerry L., *Selinsgrove, Pa.*  
 Richards, Noel J., *Havertown, Pa.*  
 Richmond, Heather S., *Upper Darby, Pa.*  
 Rittenhouse, E. Stanley, *Hammonton, N. J.*  
 Roberts, Keith A., *Scranton, Pa.*  
 Rodenhauer, Paul C., *Columbia, Pa.*  
 Royer, Richard S., *Lynchburg, Va.*  
 Ruhl, Charles, *Strasburg, Pa.*

Salberg, David L., *Pennsville, N. J.*  
 Sanderson, Robert W., S. Orange, N. J.  
 Sankey, John W., Jr., *Pitman, N. J.*  
 Saul, James B., *Harrisburg, Pa.*  
 Schaeffer, Thomas R., *Yardley, Pa.*  
 Schallick, Marilyn M., *Elmer, N. J.*  
 Schatanoff, David, *New Freedom, Pa.*  
 Scheck, Nancy M., *Greenwich, Conn.*

- Schneider, Sara J., *Springfield, Ohio*  
 Schoenborn, Carl, *Gloucester, N. J.*  
 Schoettle, Edwin J., III, *Newtown Sq., Pa.*  
 Schrack, Mary, *Shillington, Pa.*  
 Schroeder, Hugo W., Jr., *Baltimore, Md.*  
 Schulz, Philip M., *Marion, Va.*  
 Schumann, Robert, *Washington, N. J.*  
 Scott, Ronald S., *Lansdowne, Pa.*  
 Seales, Duane L., *Easton, Pa.*  
 Sebring, Thomas L., *Fanwood, N. J.*  
 Seebach, J. Arthur, Jr., *Merion Station, Pa.*  
 Seufert, Gary L., *Nutley, N. J.*  
 Severe, David, *Baltimore, Md.*  
 Shallock, John, *Fords, N. J.*  
 Sheaffer, Ralph W., *Biglerville, Pa.*  
 Sheffer, Dianne, *Watsonstown, Pa.*  
 Shelly, David, *Doylestown, Pa.*  
 Shetter, Sara, *Biglerville, Pa.*  
 Shirik, Sally A., *Wyomissing, Pa.*  
 Shockley, Floyd C., *Pennsauken, N. J.*  
 Simpson, M. Richard, *Baltimore, Md.*  
 Sinclair, Thomas A., *Philadelphia, Pa.*  
 Sinnott, Margaret Y., *Baltimore, Md.*  
 Sinnott, Peter B., *Green Harbor, Mass.*  
 Skare, Elsa S., *Ardley, Pa.*  
 Slaybaugh, David B., *Gettysburg, Pa.*  
 Smith, Harry B., *Santurce, Puerto Rico*  
 Smith, Richard H., *Baldwin, N. Y.*  
 Smith, Robert D., *Holtwood, Pa.*  
 Smith, Ronald W., *Springdale, Conn.*  
 Smoot, John, *Telford, Pa.*  
 Smulders, Francis A., *Sarasota, Fla.*  
 Snowman, Paul A., III, *Ann Arbor, Mich.*  
 Snyder, Richard H., *Hummelstown, Pa.*  
 Spencer, Alvie G., Jr., *Patapsco, Md.*  
 Spofford, Beatrice L., *Dolgeville, N. Y.*  
 Stadler, Frank, *Camp Hill, Pa.*  
 Stahl, Paul J., Jr., *Huntingdon Valley, Pa.*  
 Steger, Joseph A., *Sharon Hill, Pa.*  
 Stein, Charles H., *Wilkes-Barre, Pa.*  
 Steinbaugh, Susan, *Floral Park, N. Y.*  
 Steirer, William, Jr., *Doylestown, Pa.*  
 Stevenson, Richard H., *Maplewood, N. J.*  
 Stratton, Preston, III, *Aldan, Pa.*  
 Stravolo, Joseph R., *Chambersburg, Pa.*  
 Strawn, Roscoe L., *Mt. Carmel, Pa.*  
 Strickler, Charles, Jr., *Oradell, N. J.*  
 Sturm, Stacey, *Takoma Park, Md.*  
 Sweet, George W., II, *Molan, Pa.*  
 Swisher, William R., Jr., *Gettysburg, Pa.*  
 Taggart, Robert D., *Maplewood, N. J.*  
 Talbott, Kathryn E., *Baltimore, Md.*  
 Tortora, Paula, *Hopewell, N. J.*  
 Tracy, George F., Jr., *Margate City, N. J.*  
 Trimmell, John A., *Franklinville, N. J.*  
 Umbenhouer, Milton W., *Shillington, Pa.*  
 Vaniel, Beverly, *Duquesne, Pa.*  
 Van Ormer, Henry P., Jr., *Alexandria, Va.*  
 Venturini, Ronald A., *Boonton, N. J.*  
 Villard, Bruce, *Vero Beach, Fla.*  
 Wagner, Nancy E., *Norristown, Pa.*  
 Wagner, Phyllis, *Lancaster, Pa.*  
 Wagner, Richard K., *Nutley, N. J.*  
 Wagnild, Signe, *Gettysburg, Pa.*  
 Wahlers, Dietrich, Jr., *Maplewood, N. J.*  
 Walker, David C., *Fanwood, N. J.*  
 Walker, Frederick B., *Ridgewood, N. J.*  
 Walker, Samuel, *Pittsburgh, Pa.*  
 Walters, William H., *Glenside, Pa.*  
 Wampler, Norman A., *York, Pa.*  
 Warfel, Francis D., *Lancaster, Pa.*  
 Wattis, Richard D., *Jenkintown, Pa.*  
 Wenzke, John J., *Lock Haven, Pa.*  
 Wetzel, Donald G., *Rochester, N. Y.*  
 Wheeler, Norman F., Jr., *Collinsville, Conn.*  
 White, Peter B., *Camp Hill, Pa.*  
 Whitsel, Barry L., *Mount Union, Pa.*  
 Williams, H. Carlton, Jr., *Norristown, Pa.*  
 Williams, Paul E., *Altoona, Pa.*  
 Willis, Robert, *Pennsauken, N. J.*  
 Willfield, Charles D., *Washington, D. C.*  
 Wolf, Robert B., *Oaklyn, N. J.*  
 Wolfe, H. Elaine, *Gettysburg, Pa.*  
 Woodward, David A., *Brooklyn, N. Y.*  
 Yohn, John D., *Palmyra, Pa.*  
 Youse, Carol H., *Lebanon, Pa.*  
 Zapf, Nelson E., *Gettysburg, Pa.*  
 Zentmyer, Jo Ann, *Harrisburg, Pa.*

## Juniors, Class of 1960

- Abbott, Henry E., *Chatham, N. J.*  
 Adams, Floyd C., *Elmer, N. J.*  
 Agabeg, M. Elmo, *Tehran, Iran*  
 Albright, Roger L., *Hanover, Pa.*  
 Alcorn, Ruth L., *Rutherford, N. J.*  
 Aldridge, Raymond D., *Abbottstown, Pa.*  
 Ailing, Roger S., *Clayton, N. J.*  
 Applegate, Robert J., Jr., *Merchantville, N. J.*  
 Arcesi, Joseph A., *Sayre, Pa.*  
 Aumiller, G. Edward, *Downingtown, Pa.*  
 Austin, Franklin B., Jr., *Philadelphia, Pa.*  
 Axe, John D., *Syracuse, N. Y.*  
 Baer, John E., *Rouzeruille, Pa.*  
 Barber, Bruce I., *Mt. Holly, N. J.*  
 Bartlett, Charles P., *Manhasset, N. Y.*  
 Baumgardner, Susan E., *Littlestown, Pa.*  
 Bauroth, Alan R., *Philadelphia, Pa.*  
 Bennetch, Bradley M., *Bethlehem, Pa.*  
 Bentz, Richard M., *Bethesda, Md.*  
 Berger, Paul W., *Pine Grove, Pa.*  
 Beuchler, John D., *Pine Grove, Pa.*  
 Bigelow, Fred H., *Yeagertown, Pa.*  
 Binkley, James H., *Medford Lakes, N. J.*  
 Bishop, Stephen G., *Gettysburg, Pa.*  
 Bittle, Lehner, *Harrisburg, Pa.*  
 Bittle, R. Harry, *Chambersburg, Pa.*  
 Black, Raymond C., *Riegelsville, Pa.*  
 Books, Edgar F., *Boiling Springs, Pa.*  
 Bosco, Vincent S., *Monessen, Pa.*  
 Bowen, David L., *Califon, N. J.*  
 Bowersox, Paul E., *Westminster, Md.*  
 Boyer, Robert H., *Camp Hill, Pa.*  
 Bramley, Michael, *Ho-Ho-Kus, N. J.*  
 Brehl, Diana E., *Douglaston, L. I., N. Y.*  
 Brenneman, James H., *York, Pa.*  
 Bright, David R., *Norristown, Pa.*  
 Britcher, Susan F., *Gettysburg, Pa.*  
 Brogan, Donna J., *Baltimore, Md.*  
 Brown, Leland B., *Lansdowne, Pa.*  
 Brown, William M., *Lansdowne, Pa.*  
 Browning, Robert G., Jr., *Moylan, Pa.*  
 Buechler, Alan L., *Pennsauken, N. J.*  
 Bullett, David B., *Ossining, N. Y.*  
 Bullock, Robert A., *Dennisville, N. J.*  
 Busch, John W., *Brooklyn, N. Y.*



- Callis, Mary Jane, *York, Pa.*  
 Capece, Donald V., *Scarsdale, N. Y.*  
 Carr, Patricia A., *Richmond, Va.*  
 Carruthers, Ralph B., *Mount Union, Pa.*  
 Casagrande, Peter J., *Pen Argyl, Pa.*  
 Christ, Peter C., *Trexeltown, Pa.*  
 Coble, Garnet N., Jr., *Aspers, Pa.*  
 Coffman, Judy Ann, *Hagerstown, Md.*  
 Colby, Glen H., Jr., *Brooklyn, N. Y.*  
 Collett, Leo H., *Irwin, Pa.*  
 Comas, James, *Teaneck, N. J.*  
 Conaway, Joseph A., *Norristown, Pa.*  
 Corbett, Charles H., *Abington, Pa.*  
 Cordier, Robert H., *Oradell, N. J.*  
 Cranmer, Raymond S., *York, Pa.*  
 Crawford, A. Kent, *Lansdowne, Pa.*  
 Crawford, John H., *W. Palm Beach, Fla.*  
 Crum, Thomas J., *Riderwood, Md.*  
 Crump, Roger S., *Floral Park, N. Y.*  
 Custer, Robert E., *Portage, Pa.*
- Dallas, Lee A., *Philadelphia, Pa.*  
 Davidyock, Richard J., *Summit Hill, Pa.*  
 Davies, William R., *Medford Lakes, N. J.*  
 Davis, Marian E., *Gettysburg, Pa.*  
 Dean, Barbara M., *Vineland, N. J.*  
 Dendler, Ralph E., Jr., *Berwick, Pa.*  
 Derr, Judith A., *Shepherdstown, W. Va.*  
 Dey, Charles H., *Roselle, N. J.*  
 Dick, Walter J., *Philadelphia, Pa.*  
 Dickinson, Walthor H., *Syracuse, N. Y.*  
 Donahue, Joseph J., *Jersey City, N. J.*  
 Dorn, Virginia B., *Baltimore, Md.*  
 Dougherty, Francis J., *Arlington, Va.*  
 Drewes, Lawrence P., *Drexel Hill, Pa.*
- Egeland, Edwin T., *Fair Haven, N. J.*  
 Eiler, Kathryn W., *Cumberland, Md.*  
 Eldridge, Robert, *Abington, Pa.*  
 Elfman, C. Bartley, Jr., *Doylestown, Pa.*  
 Elliott, Martin F., *Broomall, Pa.*  
 Engelman, Emil J., *Altoona, Pa.*
- Fink, Lois E., *Huntingdon Valley, Pa.*  
 Fishburn, Harold L., *Southampton, N. Y.*  
 Fleischman, William R., *Philadelphia, Pa.*  
 Fought, Daniel, *Hughesville, Pa.*  
 Franz, David R., *Philadelphia, Pa.*  
 Frey, Rita M., *Hanover, Pa.*  
 Frontz, Maurice, Jr., *Lancaster, Pa.*  
 Fulton, Robert A., *Allentown, Pa.*
- Galassi, Michael H., *Garden City, N. Y.*  
 Galdino, Michael E., *Harrisburg, Pa.*  
 Ganser, Jon B., *Blue Bell, Pa.*  
 Garland, Franklin P., *Johnstown, Pa.*  
 Garman, James E., *Pittsburgh, Pa.*  
 Gass, Mark K., Jr., *Sunbury, Pa.*  
 Gatter, Julia B., *Oreland, Pa.*  
 George, Herman L., Jr., *Middletown, Pa.*  
 Goldstein, Jed, *Forest Hills, N. Y.*  
 Grace, Fred I., *Gettysburg, Pa.*  
 Green, Thomas F., *Haddonfield, N. J.*  
 Greif, Walter R., *Wantagh, N. Y.*  
 Griffin, Gerald G., *Manhasset, N. Y.*  
 Cummo, E. Boyd, *Duncansville, Pa.*  
 Gunnell, George T., *Los Altos, Calif.*  
 Gurley, Andrew F., *Brocklyn, N. Y.*  
 Guthrie, James R., *Greensburg, Pa.*  
 Gwinn, Barry D., *Swarthmore, Pa.*
- Hackenberg, Edwin M., *Westfield, N. J.*  
 Haines, Isaiah, III, *New Lisbon, N. J.*  
 Haldeman, Judy, *Mahanoy City, Pa.*  
 Haman, David B., *North Haledon, N. J.*  
 Hamm, Sandra E., *Hanover, Pa.*
- Hamsher, James R., *Chambersburg, Pa.*  
 Hanes, Lee C., *Wayne, Pa.*  
 Hannah, Sarah A., *Trenton, N. J.*  
 Hanrahan, George E., *Hanover, Pa.*  
 Harrison, Donald B., Jr., *Glen Riddle, Pa.*  
 Hartman, Waldo T., *Gettysburg, Pa.*  
 Hawkins, Richard, *Spring Grove, Pa.*  
 Hazen, Joseph M., *Silver Spring, Md.*  
 Heckler, Mary Anne, *Lansdale, Pa.*  
 Heckman, Florence E., *Kutztown, Pa.*  
 Heldt, Elizabeth C., *Gettysburg, Pa.*  
 Henry, G. Patrick, *New City, N. Y.*  
 Henry, John R., *Spring Grove, Pa.*  
 Henry, Norman H., *New City, N. Y.*  
 Hertzler, David R., *Bristol, Pa.*  
 Hess, James C., *Curwensville, Pa.*  
 Hess, Richard E., *York, Pa.*  
 Hicks, Harvard M., *Doylestown, Pa.*  
 Hicks, R. Frazier, *Doylestown, Pa.*  
 Hise, Theodore R., *Gettysburg, Pa.*  
 Hoffman, Gary J., *Baltimore, Md.*  
 Holcombe, M. Ann, *York, Pa.*  
 Hrbek, Barbara A., *Bentonville, Va.*  
 Huber, Gertrude A., *Bridgeton, N. J.*  
 Hunt, William A., *White Plains, N. Y.*  
 Huyck, Eugene P., *Dumont, N. J.*  
 Hyson, Robert D., *Hampstead, Md.*
- Ishikawa, Yoko, *Tokyo, Japan*
- Jacobs, Charles S., Jr., *Glenside, Pa.*  
 Jacoby, Stephen N., *Margate City, N. J.*  
 Johnson, John T., *Berlin, Pa.*  
 Johnson, Thomas J., Jr., *Harrisburg, Pa.*  
 Johnston, Walton R., III, *Philadelphia, Pa.*  
 Joseph, Mary M., *Hicksville, N. Y.*
- Kacandes, Nicholas G., *Neptune, N. J.*  
 Kahler, Jeffrey L., *Rochester, N. Y.*  
 Kamis, Kenneth C., *Harrisburg, Pa.*  
 Katz, Joan N., *Yeadon, Pa.*  
 Kaye, Martin, *Kingston, N. Y.*  
 Keen, John H., *Camp Hill, Pa.*  
 Kessler, Eugene B., *Pompton Lakes, N. J.*  
 Kegerreis, Phyllis, *Reading, Pa.*  
 Keim, Alan R., *Ho-Ho-Kus, N. J.*  
 Keller, Constance E., *Waynesboro, Pa.*  
 Kandlehart, Joyce A., *Gettysburg, Pa.*  
 Kennison, Linda M., *Arlington, Va.*  
 Kenworthy, Philip, *Gettysburg, Pa.*  
 Kern, Lois K., *Slatington, Pa.*  
 Kerr, Craig R., *Warren, Pa.*  
 Keyes, Judith M., *Baltimore, Md.*  
 Kiick, James Q., *Easton, Pa.*  
 Kilheffer, Kenneth L., *Lancaster, Pa.*  
 Kim, Kwang So, *Seoul, Korea*  
 Kistler, Joseph A., *Duncannon, Pa.*  
 Klepper, David E., Jr., *Hanover, Pa.*  
 Klinefelter, James H., Jr., *Baltimore, Md.*  
 Knight, Chester L., *Chestertown, Md.*  
 Knox, Thomas J., *Pitman, N. J.*  
 Kollhoff, Gerald, *Philadelphia, Pa.*  
 Krebs, Richard L., *Baltimore, Md.*  
 Krum, Gerald A., *Bloomsburg, Pa.*  
 Kunkel, Jack W., *Gettysburg, Pa.*  
 Kurtz, Roland L., *York, Pa.*  
 Kusiv, Carol M., *Cranford, N. J.*
- Lack, Linda S., *Mt. Holly, N. J.*  
 Layton, C. Rodney, Jr., *Centerville, Md.*  
 Lecher, Robert C., *Drexel Hill, Pa.*  
 Leonard, Lynda J., *New Hyde Park, N. Y.*  
 Levensood, George M., *Reading, Pa.*  
 Lex, Donald C., *Morrisville, Pa.*  
 Lieberknecht, Donald E., *York, Pa.*  
 Lind, Dale R., *Woodsboro, Md.*

Lindstrom, Robert L., *York, Pa.*  
 Lyon, Roswell H., III, *Harrisburg, Pa.*

McClellan, Thomas L., *Cresskill, N. J.*  
 McClure, David, *Whitehouse Station, N. J.*  
 McClure, Howard P., Jr., *Maplewood, N. J.*  
 McCord, Donald S., Jr., *Cranford, N. J.*  
 McGowan, Walter, *E. Lansdowne, Pa.*  
 McKean, Joel M., *Clearfield, Pa.*  
 McKechnie, Elmer J., *Berwick, Pa.*  
 McLaughlin, William J., *Quakertown, Pa.*  
 McQuilkin, James F., Jr., *Warrenton, Va.*  
 MacArthur, Carol-Lynne, *Great Neck, N. Y.*  
 MacDonald, Charles, III, *Wynnewood, Pa.*  
 MacGibeny, D. Barry, *Woodbury, N. J.*  
 Main, Fred E., *Great Notch, N. J.*  
 Marcks, Frederick C., *Easton, Pa.*  
 Martz, Cordell L., *Harrisburg, Pa.*  
 Mattheiss, David C., *Ellicott City, Md.*  
 Menges, Robert J., *Menges Mills, Pa.*  
 Mentzer, Arthur L., *Harrisburg, Pa.*  
 Mervine, Walter S., *Darby, Pa.*  
 Michaelis, Otho E., IV, *Lima, Peru*  
 Middleton, Carol A., *Moorestown, N. J.*  
 Miller, Darlene A., *Easton, Pa.*  
 Miller, David L., *Carlisle, Pa.*  
 Miller, John F., III, *Baltimore, Md.*  
 Miller, Rodney S., Jr., *Gardners, Pa.*  
 Mink, Fred W., Jr., *Harrisburg, Pa.*  
 Minnich, Howard W., Jr., *Harrisburg, Pa.*  
 Moltz, John M., Jr., *New Cumberland, Pa.*  
 Mook, Elaine V. C., *Wyncote, Pa.*  
 Moore, Barbara L., *Baltimore, Md.*  
 Moyer, James M., *Annaville, Pa.*  
 Moyer, Lois A., *Souderton, Pa.*  
 Mueller, Fred W., III, *Lancaster, Pa.*  
 Muff, Robert C., *Garden City, N. Y.*

Natschke, Frederick R., *Mechanicsburg, Pa.*  
 Neison, William T., Jr., *Minisink Hills, Pa.*  
 Nell, Miriam E., *Marietta, Pa.*  
 Newmark, Warren M., *Lansdowne, Pa.*  
 Ninesling, Peter J., *Great Neck, N. Y.*  
 Nissley, D. Jean, *Salem, N. J.*  
 Nitzsche, Ronald E., *Trenton, N. J.*  
 Norris, Thomas C., *Stewartstown, Pa.*

Ober, C. Gordon, *East Petersburg, Pa.*  
 Ottman, Nancy E., *Floral Park, N. Y.*

Palmer, Edward L., *Hagerstown, Md.*  
 Parkell, Charles H., Jr., *Red Bank, N. J.*  
 Parker, Alan L., *Yeadon, Pa.*  
 Paskell, Ray S., *Baltimore, Md.*  
 Payton, Melvin H., *Moorestown, N. J.*  
 Pearce, H. Richard, *Havertown, Pa.*  
 Pelton, Suzanne C., *State College, Pa.*  
 Perkins, Jean, *Fairlee, Vt.*  
 Perrine, John E., *Jamesburg, N. J.*  
 Peters, Howard N., *Hazleton, Pa.*  
 Pfeiffer, C. Boyd, *Baltimore, Md.*  
 Pflug, Garry C., *Valley Stream, N. Y.*  
 Propst, Thomas I., *Sunbury, Pa.*  
 Pruess, John F., *Ridgewood, N. J.*  
 Prutzman, Paul, Jr., *Hanover, Pa.*  
 Pursch, William C., *Pennsauken, N. J.*

Rader, Robert W., *Meriden, Conn.*  
 Rathman, Robert H., *Palisades Park, N. J.*  
 Reighter, John K., *Newport, Pa.*  
 Renjilian, John L., *Fairfield, Conn.*  
 Richter, Charles W., *Baltimore, Md.*  
 Rigberg, Herbert S., *Philadelphia, Pa.*  
 Risser, James D., *Elizabethtown, Pa.*  
 Ritter, Frederick, Jr., *Winchester, Va.*

Rospadowski, Walter F., *Syracuse, N. Y.*  
 Ruby, Sue Ann, *York, Pa.*  
 Ruesch, Richard W., *Leonia, N. J.*

Sampson, Barbara A., *East Longmeadow, Mass.*  
 Santillo, Robert S., *Norristown, Pa.*  
 Schaffer, Dawn I., *Myerstown, Pa.*  
 Schaumann, Karen S., *Newark, Dela.*  
 Scheffey, John C., *Pottstown, Pa.*  
 Schilpp, Louise C., *Drexel Hill, Pa.*  
 Schlecht, Ludwig F., *Syracuse, N. Y.*  
 Schmid, Floyd F., *West Englewood, N. J.*  
 Schneider, Edmund M., *Clifton, N. J.*  
 Schroll, Constance M., *Fairfield, Pa.*  
 Schumacher, Betty L., *Gaithersburg, Md.*  
 Seekamp, Henry E., *Bellerose, N. Y.*  
 Selak, R. Daniel, *Conemaugh, Pa.*  
 Sharrah, John R., *Cashtown, Pa.*  
 Sherbine, K. Bruce, *Portage, Pa.*  
 Shimer, Richard F., *Bedford, Pa.*  
 Shonk, Ronald E., *Manheim, Pa.*  
 Skomsky, Sally E., *Berwick, Pa.*  
 Slater, Allen R., *West Caldwell, N. J.*  
 Slifer, William E., *Detroit, Mich.*  
 Smith, Cynthia, *Drums, Pa.*  
 Smith, Loren H., *Edison, N. J.*  
 Snook, John G., *Amityville, N. Y.*  
 Snyder, Charles E., Jr., *Pittsburgh, Pa.*  
 Snyder, Marjorie J., *Trumbull, Conn.*  
 Sowers, Robert C., Jr., *New Oxford, Pa.*  
 Spring, Paul E., Jr., *Wheeling, W. Va.*  
 Staub, Helen B., *Gettysburg, Pa.*  
 Stiles, Gilbert W., *Lansdowne, Pa.*  
 Stites, Jane E., *Camden, N. J.*  
 Stofko, Karl P., *Plymouth, Mich.*  
 Strait, Robert C., *Harrisburg, Pa.*  
 Strevig, Elizabeth A., *Indiantown Gap, Pa.*  
 Susser, Nancy E., *Myersdale, Pa.*

Tepp, Virginia C., *Valley Stream, N. Y.*  
 Thomas, George F., *River Edge, N. J.*  
 Thomson, Ronald F., *Hampstead, Md.*  
 Thornton, Bruce E., *Wynnewood, Pa.*  
 Thorpe, David L., *Fairfield, Conn.*  
 Tichy, Theodora P., *Mt. Holly Springs, Pa.*  
 Toner, Mary C., *Metuchen, N. J.*  
 Towson, Jere L., *Downingtown, Pr.*

Ulrich, John A., *Livingston, N. J.*  
 Underkoffler, Douglas, *Souderton, Pa.*

Valko, Clement, *Raritan, N. J.*  
 VanHorn, Julianne, *San Francisco, Calif.*  
 Vickery, Gerald W., Jr., *Troy, Pa.*  
 Volkman, George W., *Baltimore, Md.*  
 VonCzoernig, Carl E., *Chester Springs, Pa.*

Wachob, Joan G., *Pittsburgh, Pa.*  
 Wachter, Gary F., *Great Neck, N. Y.*  
 Wagoner, Ralph H., *Westford, Pa.*  
 Wallace, George K., *Coatesville, Pa.*  
 Warner, John L., Jr., *York, Pa.*  
 Weaver, John A., *Collegeville, Pa.*  
 Wedemeyer, Walter H., *Phoenixville, Pa.*  
 Wedra, Arthur H., *Green Creek, N. J.*  
 Weitcomb, Janet L., *York, Pa.*  
 Wertman, William H., *Silver Spring, Md.*  
 White, Weston, *Flushing, N. Y.*  
 Whitmer, Edwin W., Jr., *Essex Falls, N. J.*  
 Wilent, Claire C., *Blackwood, N. J.*  
 Willoughby, Robert H., *Wilkes-Barre, Pa.*  
 Wilson, Norman J., *Gettysburg, Pa.*  
 Wines, M. Halo, *Washington, D. C.*  
 Wolff, Keith B., *Gettysburg, Pa.*  
 Wood, Ralph L., Jr., *Media, Pa.*



Wood, Ronald E., *New York, N. Y.*  
 Wood, William B., *Camp Hill, Pa.*  
 Woodruff, Frank A., *Elizabeth, N. J.*  
 Wunner, William H., *Rutherford, N. J.*  
 Yingst, John C., *Hummelstown, Pa.*

Young, Barbara L., *Maywood, N. J.*  
 Youse, Conrad B., *Myerstown, Pa.*

Zagars, Gunars V., *Gettysburg, Pa.*  
 Zerbe, James L., *Harrisburg, Pa.*  
 Ziegler, Charles L., Jr., *Moorestown, N. J.*

## Sophomores, Class of 1961

Adolph, Robert E., *Elizabeth, N. J.*  
 Aitken, Donald G., Jr., *Garden City, N. Y.*  
 Alenick, Leonard B., *Brooklyn, N. Y.*  
 Amann, Richard W., *Lynbrook, N. Y.*  
 Anderson, Robert C., *Teaneck, N. J.*  
 Armstrong, John B., *Silver Spring, Md.*  
 Arnold, Mary P., *Huntington, W. Va.*

Bachman, Ronald M., *Camp Hill, Pa.*  
 Bailey, Jo Ann, *Washington, D. C.*  
 Bailly, Joseph J., III, *Oreland, Pa.*  
 Barclay, David M., *Ft. Washington, Pa.*  
 Barnhart, Guy H., *North Haven, Conn.*  
 Basso, Henry R., Jr., *Harrisburg, Pa.*  
 Batcheler, Charles L., *Camp Hill, Pa.*  
 Batting, William G., *Maplewood, N. J.*  
 Bauer, John W., *Harrisburg, Pa.*  
 Beam, James M., *Gardners, Pa.*  
 Bear, Sherman W., *Lemoyne, Pa.*  
 Beerkircher, Ronald W., *Magnolia, N. J.*  
 Beers, Barbara A., *Schenectady, N. Y.*  
 Benfer, David A., *Ardmore, Pa.*  
 Benner, Sara L., *Lancaster, Pa.*  
 Bennett, David L., *Lewisburg, Pa.*  
 Bevan, Jay W., *Audubon, N. J.*  
 Billie, Leonard C., *Drexel Hill, Pa.*  
 Bingaman, Barbara A., *Hellam, Pa.*  
 Bluett, Kenneth A., *Baltimore, Md.*  
 Blumenstine, Bernadine D., *Steelton, Pa.*  
 Blunt, Elson M., III, *Wellesley Hills, Mass.*  
 Bohlander, Lorraine S., *Holtwood, Pa.*  
 Bonney, Lawrence D., *Drexel Hill, Pa.*  
 Borgwardt, Ronald E., *Beltsville, Md.*  
 Boutwell, Delbert V., Jr., *Silver Spring, Md.*  
 Boyer, George W., Jr., *York, Pa.*  
 Boyer, Phyllis J., *Kutztown, Pa.*  
 Boys, Phyllis A., *Chey Chase, Md.*  
 Branton, Russell W., *Pen Argyl, Pa.*  
 Bray, Mary P., *Elkridge, Md.*  
 Broderick, Ann, *Washington, D. C.*  
 Brown, Marcia, *Philipsburg, Pa.*  
 Buchheit, Russell J., *Tenafly, N. J.*  
 Burchfield, H. Kay, *St. Louis, Mo.*  
 Burg, Earl R., *Red Lion, Pa.*  
 Burkhardt, Karl L., *Brooklyn, N. Y.*  
 Burtzell, Aubison T., *Belmore, N. Y.*  
 Butler, Lance H., *Mullica Hill, N. J.*  
 Byers, John L., *Belle Vernon, Pa.*

Caban, Louis H., *Philadelphia, Pa.*  
 Caruth, Lawrence G., *Moscow, Pa.*  
 Chilingarian, Ronald P., *Oradel, N. J.*  
 Clark, Susan H., *Easton, Pa.*  
 Coffman, Hally F., Jr., *Mantua, N. J.*  
 Cohn, Robert M., *Brooklyn, N. Y.*  
 Copeland, James E., Jr., *Ft. Lauderdale, Fla.*  
 Cost, F. Howard, *Hagerstown, Md.*  
 Creech, Silas M., Jr., *Bethesda, Md.*  
 Crisp, Richard G., *Freeport, N. Y.*  
 Crosson, Charles W., Jr., *Unionville, Pa.*  
 Crothers, Austin L., Jr., *Lakewood, Ohio*  
 Crowl, Lewis A., *Gettysburg, Pa.*  
 Cunningham, Cynthia R., *Wynnewood, Pa.*  
 Curtin, Lawrence B., *Morrisville, Pa.*

Dear, Jack B., *Scottdale, Pa.*  
 DeCamara, Robert C., *Philadelphia, Pa.*  
 Dedrick, George, Jr., *Havertown, Pa.*  
 Deichert, Robert G., *Pine Grove, Pa.*  
 Del Prete, Anthony J., *Cheltenham, Pa.*  
 Dempcy, Sandra D., *Wilmington, Dela.*  
 Denny, Walda C., *Wye Mills, Md.*  
 Derstine, Judy B., *Chalfont, Pa.*  
 Dilts, Mervin R., *Three Bridges, N. J.*  
 Dimmick, Fred W., *Enola, Pa.*  
 Dittmar, Susan L., *West New York, N. J.*  
 Doyle, Theodore O., *Harrisburg, Pa.*  
 Drake, Arthur D., Jr., *Irvington, N. J.*  
 Dress, Helen S., *Wayne, Pa.*  
 Dulin, Kay E., *Linwood, Pa.*

Eggleston, Lawrence A., *Kansas City, Mo.*  
 Emerson, James, *Salisbury, Md.*  
 Ernst, John R., *Cambria Heights, N. Y.*  
 Erwine, Gary W., *Bloomingsburg, Pa.*  
 Eshbach, Warren M., *Pottstown, Pa.*  
 Evans, Ruth E., *Philadelphia, Pa.*

Faries, Diane K., *W. Englewood, N. J.*  
 Feeser, Nolan W., *Williamsport, Pa.*  
 Felker, William A., *Beavertown, Pa.*  
 Fenstermaker, Diane L., *Kutztown, Pa.*  
 Fielding, Fred F., *Mechanicsville, Pa.*  
 Finckenauser, James O., *East Hampton, N. Y.*

Firmstone, John A., *Honesdale, Pa.*  
 Fischer, Shirley L., *Baltimore, Md.*  
 Fitzgerald, Walter H., *Philadelphia, Pa.*  
 Fitzkee, William E., *Mount Wolf, Pa.*  
 Fitzpatrick, Richard, *Frederick, Md.*  
 Foltz, John V., Jr., *Middletown, Pa.*  
 Foreman, Sally A., *Harrisburg, Pa.*  
 Fox, John B., *Holidaysburg, Pa.*  
 Frantz, Mary C., *Kittanning, Pa.*  
 Frazier, Nancie L., *New Holland, Pa.*  
 Frederick, Ronald D., *Harleysville, Pa.*  
 Freed, John D., *Liverpool, Pa.*  
 Fretz, Bruce R., *Chalfont, Pa.*  
 Frey, Darby E., *Ricer Edge, N. J.*  
 Fridinger, Barbara L., *Manchester, Md.*  
 Friling, John D., *Milford, N. J.*  
 Frilling, Lawrence A., *Milford, N. J.*  
 Fruchter, Kenneth P., *Forest Hills, N. Y.*  
 Funk, Nan F., *Easton, Pa.*  
 Fuschino, Frank G., *Maplewood, N. J.*

Ganoe, David B., *Secane, Pa.*  
 Garrison, Harry E., *Elmer, N. J.*  
 Geils, Kenneth H., *East Williston, N. Y.*  
 Gibbs, Richard E., Jr., *West Caldwell, N. J.*  
 Gilbert, Helen C., *Pittsburgh, Pa.*  
 Girvan, Robert B., *Leonia, N. J.*  
 Gleason, Philip J., *New Britain, Pa.*  
 Gleisner, Joan V., *Baltimore, Md.*  
 Clicksman, Russell A., *Larchmont, N. Y.*  
 Glover, Carole B., *Milton, Pa.*  
 Gohn, Herman B., *Williamsport, Pa.*  
 Goodman, Horace Y., Jr., *Wilmington, Dela.*  
 Gordon, Dale F., *Hanover, Pa.*  
 Gottschling, Paul H., *Wenonah, N. J.*  
 Gouker, Annabelle L., *Philadelphia, Pa.*  
 Graham, Philip A., *Carlisle, Pa.*

Graul, Susan B., *Neffsville, Pa.*  
 Greenlund, David B., *Warren, Pa.*  
 Greenwood, Robert F., *Yeadon, Pa.*  
 Grele, Robert F., *Seymour, Conn.*  
 Guise, Ralph F., *Gettysburg, Pa.*  
 Gummel, Charles P., *Hanover, Pa.*

Hall, Melinda, *Baltimore, Md.*  
 Halton, Martha A., *Martinsburg, W. Va.*  
 Hammer, George C., *New York, N. Y.*  
 Hannas, Marilyn S., *Hollis, N. Y.*  
 Harding, Lois A., *Garden City, N. Y.*  
 Hardman, Raymond C., *Gettysburg, Pa.*  
 Harral, William, III, *Drexel Hill, Pa.*  
 Harris, Edwin A., Jr., *Mt. Kisco, N. Y.*  
 Hawbaker, Nancy M., *Chambersburg, Pa.*  
 Hayes, James H., *Alexandria, Va.*  
 Heberle, Linda S., *Harrisburg, Pa.*  
 Hebrank, Jay C., *Demarest, N. J.*  
 Hecker, Carolyn A., *Embsville, Pa.*  
 Heinbaugh, Lynn A., *Mercersburg, Pa.*  
 Helms, Vida, *Hellertown, Pa.*  
 Hensing, William S., *Wayne, Pa.*  
 Hendrix, Sherman S., *Stratford, Conn.*  
 Henry, Paula S., *York, Pa.*  
 Herr, Robert L., II, *Harrisburg, Pa.*  
 Hershey, Richard B., *York, Pa.*  
 Hershey, Robert D., *Teaneck, N. J.*  
 Hilliard, George, III, *Philadelphia, Pa.*  
 Hirling, Herbert W., *Teaneck, N. J.*  
 Hirst, Carol A., *Collingswood, N. J.*  
 Hockenberry, Earle W., Jr., *Middletown, Pa.*  
 Hoffman, Barbara C., *Erdenheim, Pa.*  
 Hoffman, Carolanne, *New Hyde Park, L. I., N. Y.*  
 Hoffman, Paul M., *Delray Beach, Fla.*  
 Holden, Stockton T., *Bel Air, Md.*  
 Holstein, Donald G., *Hopatcong, N. J.*  
 Holzer, Richard J., *Easton, Md.*  
 Horn, Marguerite, *Philadelphia, Pa.*  
 Horn, Phyllis D., *Alexandria, Pa.*  
 Horne, Bruce K., *Lititz, Pa.*  
 Horvath, Victor, *Lake Ronkonkoma, N. Y.*  
 Howard, Anne M., *Bethlehem, Pa.*  
 Humrichouse, Christopher P., *Southampton, Pa.*  
 Hunt, Joseph R., *Trenton, N. J.*  
 Hyson, Marlene B., *Faun Grove, Pa.*

Ide, Anne R., *Arlington, Va.*  
 Ilgen, Harvey W., *Mifflinburg, Pa.*  
 Ilgenfritz, Nelson F., *York, Pa.*  
 Ishmael, John A., *Georgetown, British Guiana*

Jackson, Gary G., *Allentown, Pa.*  
 Jacobs, Louise A., *Newtown Square, Pa.*  
 Jacobs, Melvin L., Jr., *Camp Hill, Pa.*  
 Jacobsen, Lynn D., *Cranford, N. J.*  
 Jean, Sally L., *Toronto, Canada*  
 Jennings, JoAnn, *New York, N. Y.*  
 Johnson, Rolf C., *Gettysburg, Pa.*  
 Johnson, Walter E., *Brooklyn, N. Y.*  
 Johnson, Warren A., *East Rockaway, N. Y.*  
 Johnston, Anderson S., *Baltimore, Md.*  
 Joly, Paul W., *Port Washington, N. Y.*  
 Jones, Lucille B., *Bel Air, Md.*  
 Jones, Paul B., *Gettysburg, Pa.*

Kain, William B., *Wyomissing, Pa.*  
 Kelley, Myron S., *Lyons, N. Y.*  
 Kellogg, Hugh M., *Westfield, N. J.*  
 Kelly, Robert L., *Easton, Pa.*  
 Kerchner, Barry W., *Pottstown, Pa.*  
 Kerr, William M., *Clearfield, Pa.*  
 Kessel, Alex, *Gettysburg, Pa.*  
 Kessler, Nancy L., *Hanover, Pa.*

Kilpatrick, Ruth, *Mount Holly, N. J.*  
 King, Bradford D., *Dedham, Mass.*  
 Kiser, Joseph W., *Johnstown, Pa.*  
 Kissner, George G., *Silver Spring, Md.*  
 Klein, Edward, *Great Neck, N. Y.*  
 Kleinfelter, Joseph H., *Harrisburg, Pa.*  
 Knaffe, June D., *Philadelphia, Pa.*  
 Knapp, C. Leonard, *Silverdale, Pa.*  
 Koble, Linda A., *Pine Grove, Pa.*  
 Koehler, Lee N., *Baltimore, Md.*  
 Koenig, George E., *Paramus, N. J.*  
 Kohlhepp, Virgil, Jr., *DuBois, Pa.*  
 Krall, Ronald W., *Myerstown, Pa.*  
 Kramer, Annaliese M., *Sound Beach, N. Y.*  
 Kress, Jay A., *Berkeley Heights, N. J.*  
 Kritcher, Larry N., *Phoenixville, Pa.*  
 Krug, Mary E., *Baltimore, Md.*  
 Kunkle, Gerald L., *York, Pa.*  
 Kurzenknabe, Doris J., *Harrisburg, Pa.*

Lacambra, Jose M., *Bilbao, Spain*  
 Laird, Cleve W., *Cedar Grove, N. J.*  
 Lange, Carol L., *Wilmington, Dela.*  
 Lapeire, John F., *Bellerose, N. Y.*  
 LaRose, Julia A., *North Syracuse, N. Y.*  
 Larson, Connie L., *Smethport, Pa.*  
 Laubner, Frederick P., *East Stroudsburg, Pa.*  
 Lee, Raymond H., *Philadelphia, Pa.*  
 Lentz, Charles, IV, *Wyncote, Pa.*  
 Lesh, Alta E., *Clear Spring, Md.*  
 Levine, Judith A., *Margate, N. J.*  
 Lightner, Charles H., *Gettysburg, Pa.*  
 Liperote, George A., *Cadogan, Pa.*  
 Lockard, Charles, *Berwick, Pa.*  
 Loubris, Paul E., II, *Clearfield, Pa.*  
 Lowe, William R., *Gettysburg, Pa.*  
 Lower, Charles E., *Lancaster, Pa.*  
 Lucas, Edward A., *Eddystone, Pa.*  
 Luckenbill, Curtis E., *Kutztown, Pa.*  
 Luftig, Frank, *New Rochelle, N. Y.*  
 Lunn, Carol A., *Barrington, N. J.*

McCleaff, Edgar L., Jr., *Columbus, Ohio*  
 McClellan, Sarah K., *Glenolden, Pa.*  
 McCracken, Jack, *Towanda, Pa.*  
 McCurdy, Harry D., *Baltimore, Md.*  
 McGaughy, David A., *Wyomissing, Pa.*  
 McGee, Sara, *Jacksboro, Texas*  
 Maisel, Norman D., *Harrisburg, Pa.*  
 Marsh, Harry R., *Brooklyn, N. Y.*  
 Martin, Richard K., *Brookeville, Md.*  
 Mattson, David A., *Hampstead, N. Y.*  
 Matz, William M., *East Lansdowne, Pa.*  
 Meixell, Meredith S., Jr., *Lewisburg, Pa.*  
 Melin, Earl R., *Garden City, N. Y.*  
 Menge, Johanna, *Dolgeville, N. Y.*  
 Miele, Joseph P., *West Orange, N. J.*  
 Miller, Henry J., Jr., *Elmer, N. J.*  
 Miller, Lawrence A., Jr., *Phoenixville, Pa.*  
 Miller, Roger J., *Hagerstown, Md.*  
 Monaghan, Edward, *Uniontown, Pa.*  
 Monninger, George, *Baltimore, Md.*  
 Monte, Stevens R., *Atlantic Beach, L. I., N. Y.*

Montgomery, Bernard P., *Baltimore, Md.*  
 Moran, David E., *Trevoze, Pa.*  
 Morrell, David T., *Fairfield, Conn.*  
 Moulton, Herbert F., *Norristown, Pa.*  
 Muller, Frederick, Jr., *Westfield, N. J.*  
 Munro, Mary A., *Elverson, Pa.*  
 Munzinger, John S., *Lansdale, Pa.*  
 Musch, Gordon F., *Baltimore, Md.*  
 Myers, Joan E., *Yeadon, Pa.*

Nagle, David S., *Coatesville, Pa.*  
 Neher, Robert W., *Hempstead, N. Y.*

Nelson, April J., *Rochester, N. Y.*  
 Ness, Patricia A., *York, Pa.*  
 Northrup, John C., *Athens, Pa.*  
 Norton, Douglas L., *Chappaqua, N. Y.*  
 Nye, James L., *Harrisburg, Pa.*

Oakley, Donald L., *North Wales, Pa.*  
 O'Malley, Thomas W., *Pittsburgh, Pa.*  
 Overmiller, Suzanne M., *Paoli, Pa.*

Pacilio, Michael J., *Merrick, N. Y.*  
 Palmer, Jack H., *York Springs, Pa.*  
 Parry, Robert T., *Harrisburg, Pa.*  
 Patti, Charles S., *Phillipsburg, N. J.*  
 Payne, Emily A., *Ellicott City, Md.*  
 Pazzo, Frederic J., *Jersey City, N. J.*  
 Pearson, Ralph L., *Quakertown, Pa.*  
 Peckham, James, *Troy, Pa.*  
 Pedersen, Frederick O., *Garden City, N. Y.*  
 Pennington, Elizabeth A., *Gettysburg, Pa.*  
 Pennington, Peter S., *Gettysburg, Pa.*  
 Pensinger, Brenda J., *Chambersburg, Pa.*  
 Peppler, Edward H., *Baltimore, Md.*  
 Perez, Roland Y., *New York, N. Y.*  
 Perissi, Linda A., *Valley Stream, N. Y.*  
 Perry, John J., *Metuchen, N. J.*  
 Petrillo, Lynn L., *Maywood, N. J.*  
 Phyles, Raymond H., *Baltimore, Md.*  
 Pierce, Rodgers E., *Brookline, Mass.*  
 Plunkett, Sally A., *Ellwood City, Pa.*  
 Pokrifesak, John S., *Easton, Pa.*  
 Pollard, Ruth F., *Silver Spring, Md.*  
 Priest, Beverly R., *Keymar, Md.*  
 Puerta, Richard L., *Flourtown, Pa.*  
 Putman, Carolyn M., *Harrisburg, Pa.*

Quigley, Keith B., *Lemoyne, Pa.*

Raff, Malcolm I., *Bayonne, N. J.*  
 Raffensperger, Harry J., *Bethlehem, Pa.*  
 Rauch, Kenneth, *White House Station, N. J.*  
 Reaser, Clayton P., *Gettysburg, Pa.*  
 Reather, Carol M., *Baltimore, Md.*  
 Reeder, Taylor P., *Jenkintown, Pa.*  
 Reeves, Marlin J., *Nassau, N. Y.*  
 Reichgott, Michael J., *South Orange, N. J.*  
 Reiner, Rodger L., *Freeport, N. Y.*  
 Reisz, Howard F., Jr., *Pittsburgh, Pa.*  
 Rementer, Velva G., *Yeadon, Pa.*  
 Rempp, Judith A., *York, Pa.*  
 Richardson, Randolph G., *Reisterstown, Md.*  
 Rockafellow, Douglas F., *Frenchtown, N. J.*  
 Rocklein, Joseph E., *Mt. Sinai, N. Y.*  
 Roesch, John A., Jr., *Wayne, N. J.*  
 Rohrbach, William M., *Ephrata, Pa.*  
 Rose, John H., *Merrick, N. Y.*

Satterthwaite, Peter C., *Ambler, Pa.*  
 Schalick, George R., *Centerton, N. J.*  
 Schiff, Thomas E., *Philadelphia, Pa.*  
 Schmidt, Mary E., *Bogota, N. J.*  
 Schoeller, Eleanor E., *Mickleton, N. J.*  
 Schofield, Mary B., *Philadelphia, Pa.*  
 Schultz, Marilyn R., *Elmhurst, Ill.*  
 Scott, Robert A., *Philadelphia, Pa.*  
 Schulster, Ardith L., *Flagstaff, Ariz.*  
 Seitter, George H., *Philadelphia, Pa.*  
 Sensenig, Darryl L., *Ephrata, Pa.*  
 Shallock, Paul, *Fords, N. J.*  
 Shook, Lois K., *Glenside, Pa.*  
 Shuey, Sidney L., *Wiconisco, Pa.*  
 Silber, Leon D., *Flushing, N. Y.*  
 Sippel, Elien F., *Valley Stream, N. Y.*  
 Sleight, Henry B., Jr., *Schenectady, N. Y.*  
 Smith, Deborah S., *Chambersburg, Pa.*  
 Snyder, Beryl, *Chambersburg, Pa.*  
 Snyder, William, III, *Baltimore, Md.*

Southard, Audrey L., *Virginia Beach, Va.*  
 Speck, John K., *Carmichaels, Pa.*  
 Speck, Myrna K., *Saylorsburg, Pa.*  
 Spira, Arthur L., *Rockville Centre, L. I., N. Y.*

Stabile, Helen M., *Raritan, N. J.*  
 Stapf, Louis E., *Philadelphia, Pa.*  
 Steinmann, Christian W., *Woodcliff Lake, N. J.*  
 Stillings, Patricia C., *Littleton, N. H.*  
 Stipe, Thomas W., *Wallingford, Pa.*  
 Stoddard, Susan F., *Lancaster, Pa.*  
 Stonaker, Lynne B., *Pittsburgh, Pa.*  
 Stough, Evelyn M., *York, Pa.*  
 Sweigart, Patricia A., *Ephrata, Pa.*

Taylor, C. Douglas, *Gettysburg, Pa.*  
 Taylor, Elizabeth J., *Chatham, N. J.*  
 Temme, Francis W., *Philadelphia, Pa.*  
 Templin, Luise A., *Madison, Wis.*  
 Test, Gary W., *York, Pa.*  
 Tholan, Kenneth M., *Havertown, Pa.*  
 Thoman, Daniel L., *Spring Grove, Pa.*  
 Thomas, Audrey B., *Swedesboro, N. J.*  
 Thomas, Nancy, *Lansford, Pa.*  
 Thompson, Jeanne K., *Lafayette Hill, Pa.*  
 Tinsman, John L., Jr., *Media, Pa.*  
 Toggia, Gilbert O., *New Rochelle, N. Y.*  
 Tragle, Louisa B., *Silver Spring, Md.*  
 Trautwein, John V., *Baltimore, Md.*  
 Tukloff, Ronald L., *West Chester, Pa.*

Velten, Ernest C., *Baltimore, Md.*  
 Vogelsong, Edward L., *Harrisburg, Pa.*

Wagner, Jean E., *Palmyra, Pa.*  
 Wagner, Robert Z., *White Plains, N. Y.*  
 Wagnild, Jon P., *Gettysburg, Pa.*  
 Walker, Edgar M., Jr., *Clearfield, Pa.*  
 Walker, James L., *Somersets, Pa.*  
 Wallace, Doris E., *Woodbury, N. J.*  
 Warrenfeltz, Donald R., Jr., *Hagerstown, Md.*  
 Weeks, Judith L., *Arlington, Va.*  
 Wenz, Barry, *Brooklyn, N. Y.*  
 Werneke, Susan E., *Brewster, N. Y.*  
 Wert, Philip L., *Laurel, Pa.*  
 Whyte, Robert M., Jr., *West Hempstead, N. Y.*  
 Wikfeld, Freya, *Staten Island, N. Y.*  
 Williams, David R., *Westfield, N. J.*  
 Willson, Thomas L., *Manhasset, N. Y.*  
 Wilson, Donald M., *Morristown, N. J.*  
 Wilson, Miriam, *Gettysburg, Pa.*  
 Wilson, Sandra L., *San Diego, Calif.*  
 Wineholt, Robert L., *York, Pa.*  
 Wiseman, Donald C., *Abbotstown, Pa.*  
 Wismer, Nancy, *Souderton, Pa.*  
 Wonders, Donald E., *York Springs, Pa.*  
 Wood, Lawrence R., *Chester, Pa.*  
 Wood, Stephen L., *Havertown, Pa.*  
 Wright, Wayne W., *Gloucester, N. J.*  
 Wright, William C., *Rutherford, N. J.*  
 Wright, William M., *West Chester, Pa.*  
 Wysocki, Allan S., *Briar Creek, Pa.*

Yeatman, Pennock J., III, *Kennett Square, Pa.*  
 Yingling, James A., *Union Bridge, Md.*  
 Yocum, Ronald H., *Drexel Hill, Pa.*  
 Yohn, Wayne I., *Havertown, Pa.*  
 Young, Alan F., *Tenafly, N. J.*  
 Young, Jane D., *Lancaster, Pa.*

Zeim, Ernest P., *Cedar Grove, N. J.*  
 Zieger, David H., *Willow Grove, Pa.*



## Freshmen, Class of 1962

- Achenbach, Elizabeth, *Lock Haven, Pa.*  
 Aitken, Thelma, *Delanco, N. J.*  
 Algeo, Mary Jane, *Solebury, Bucks Co., Pa.*  
 Allen, Robert A., *Wethersfield, Conn.*  
 Anderson, Diane, *Valley Stream, N. Y.*  
 Anderson, Eric C., *Drexel Hill, Pa.*  
 Anderson, Karin, *Queens Village, N. Y.*  
 Andrews, Joyce A., *Washington, D. C.*  
 Andrews, Robert W., *North Hills, Pa.*  
 Archipley, Thomas E., *Linden, N. J.*  
 Athanas, Daphne, *Arlington, Va.*  
 Atkinson, Robert L., *Upper Darby, Pa.*
- Bailey, John, *Oakmont, Pa.*  
 Bainbridge, Richardson, *Merion, Pa.*  
 Bair, William M., *York, Pa.*  
 Baker, Charlotte A., *Emmaus, Pa.*  
 Baker, Peter M., *Rahway, N. J.*  
 Bankert, Richard B., *Lansdale, Pa.*  
 Barclay, James, *Port Chester, N. Y.*  
 Bauersfeld, John D., *Washington, D. C.*  
 Baugher, William F., *Roselle, N. J.*  
 Beal, Gretchen, *Pittsburgh, Pa.*  
 Benigno, Frank D., *Levittown, N. Y.*  
 Best, Albert B., *Darien, Conn.*  
 Beuchler, L. George, *Morrisville, Pa.*  
 Bilbie, Gary T., *York, Pa.*  
 Birdsall, Lovey E., *Valley Stream, N. Y.*  
 Bishop, Sharon R., *Olney, Md.*  
 Bitner, Craig, *Shiromanstown, Pa.*  
 Black, Clyde O., *Roaring Spring, Pa.*  
 Blaugh, Victor R., *Leechburg, Pa.*  
 Blood, Linda L., *Clarksburg, Md.*  
 Bloom, June, *Floral Park, N. Y.*  
 Bonneville, Suzanne, *Flushing, N. Y.*  
 Bonney, Stephen B., *Drexel Hill, Pa.*  
 Boone, Donald G., *Baltimore, Md.*  
 Booth, David E., *Meadowbrook, Pa.*  
 Borneman, Henry G., *Boyetown, Pa.*  
 Botsis, Virginia, *Ardmore, Pa.*  
 Bowen, Richard L., *Califon, N. J.*  
 Bowes, Alfred L., *Fairfield, Conn.*  
 Boyd, Elaine M., *Wayne, N. J.*  
 Brinkman, Margaret E., *Asbury Park, N. J.*  
 Broditch, Irene H., *Cornwell Heights, Pa.*  
 Brotman, Sheldon I., *Baltimore, Md.*  
 Brown, Donald C., *Haddonfield, N. J.*  
 Brown, Lynn, *Moorestown, N. J.*  
 Brown, Walker T., *Manhasset, L. I., N. Y.*  
 Bunting, John W., *Poughkeepsie, N. Y.*  
 Burchell, Edgar B., III, *Mamaroneck, N. Y.*  
 Burg, Joyce, *Red Lion, Pa.*  
 Burke, Thomas, Jr., *West Caldwell, N. J.*  
 Burnett, George, Jr., *Salisbury, Md.*  
 Buzby, Lynn E., *Philadelphia, Pa.*  
 Byler, Margaret, *Mt. Holly, N. J.*
- Cacciarelli, Alexander, *Belleville, N. J.*  
 Calvery, George, *Mercersburg, Pa.*  
 Campbell, Rowena, *Franklin Lakes, N. J.*  
 Carback, Barbara L., *Thurmont, Md.*  
 Carmick, Stephen C., *Wynnewood, Pa.*  
 Carpenter, Donald M., *Berkeley Heights, N. J.*  
 Carson, Andrea J., *Chardon, Ohio*  
 Casey, Hal R., *Maplewood, N. J.*  
 Cassidy, William J., Jr., *Abington, Pa.*  
 Cauwell, John P., *Narberth, Pa.*  
 Chalmers, Wayne C., *Flourtown, Pa.*  
 Chatkewitz, Alexander, *Masapequa, N. Y.*  
 Chelgren, Harold E., *DuBois, Pa.*  
 Chillingworth, William, *Williamsport, Pa.*  
 Chin, Byeoung-woung, *Seoul, Korea*  
 Choe, Kilja, *Seoul, Korea*
- Clement, David H., *Windber, Pa.*  
 Coblentz, Lois A., *Middletown, Md.*  
 Cocklin, Theresa A., *Shippensburg, Pa.*  
 Cole, Kenneth J., *Gettysburg, Pa.*  
 Collins, K. Lee, *Rockville, Conn.*  
 Coulton, Florence R., *Hamilton Square, N. J.*  
 Cox, Richard H., *Sumatra, Indonesia*  
 Cox, Ronald W., *Pikesville, Md.*  
 Cox, Stephen E., *Arlington, Va.*  
 Coyie, Carolyn P., *Pennington, N. J.*  
 Cramer, Russell C., II, *E. Stroudsburg, Pa.*  
 Culler, Judith L., *Westminster, Md.*  
 Curchin, Judith, *Rochester, N. Y.*
- Dahlgard, Christian H., *Port Washington, N. Y.*  
 Dallmeyer, Priscilla E., *York, Pa.*  
 Daniels, Barry E., *Hershey, Pa.*  
 Darold, Alfred J., *New York City, N. Y.*  
 Dearcopp, Joanne, *West Milford, N. J.*  
 Deetjen, Susan V., *Madison, N. J.*  
 Dellinger, Janice, *Reading, Pa.*  
 Demas, William S., *Washington, D. C.*  
 Dendler, Royce A., *Berwick, Pa.*  
 DeFugh, Denise A., *Audubon, Pa.*  
 Despreaux, Carl W., *Rumson, N. J.*  
 Dewick, Robert L., *Port Jefferson, L. I., N. Y.*  
 Dill, Joan L., *Cranford, N. J.*  
 Ditzler, Ronald L., *Gettysburg, Pa.*  
 Doerschner, Robert P., *Haddonfield, N. J.*  
 Donges, David A., *Davidsville, Pa.*  
 Douglas, William T., *Harrisburg, Pa.*  
 Downs, David S., *Newtown, Bucks Co., Pa.*  
 Dowsett, Ann, *Annapolis, Md.*  
 Drach, Richard W., *Gettysburg, Pa.*  
 Draper, Cyrus R., *Ridgewood, N. J.*  
 Dreyer, Douglas C., *Asbury Park, N. J.*  
 Duncan, William A., *Springfield, Pa.*
- Eaton, Charles M., *Cranford, N. J.*  
 Edington, Donald, *Washington, D. C.*  
 Edmondson, Carol, *Easton, Pa.*  
 Ehrhart, David B., *Glenville, Pa.*  
 Elmer, Donna, *Bronxville, N. Y.*  
 Empie, John C., Jr., *Cochranville, Pa.*  
 Engel, Pauline Ann, *Holmdel, N. J.*  
 Ensor, Joanna M., *Towson, Md.*  
 Ensor, Margaret S., *Lutherville, Md.*
- Farrow, Gerald B., *Snyder, N. Y.*  
 Fine, Richard B., *Forest Hills, N. Y.*  
 Fink, Marvin, *Emigsville, Pa.*  
 Fischer, Marjorie, *Flushing, N. Y.*  
 Fitzgerald, Joseph, *Neptune City, N. J.*  
 Fleming, John J., III, *Havertown, Pa.*  
 Francisco, Helen F., *Andover, N. J.*  
 Frankel, Steven, *New Rochelle, N. Y.*  
 Freiberg, Evelyn, *Wantagh, N. Y.*  
 Friesinger, Lorraine R., *Philadelphia, Pa.*  
 Fritzing, George O., *Allentown, Pa.*
- Gall, Jacqueline S., *Bethlehem, Pa.*  
 Garber, Quinten, *Barnesville, Pa.*  
 Gardner, John E., *Linwood, N. J.*  
 Gardner, Noel L., *Rye, N. Y.*  
 Gattey, Robert L., *Springfield, Pa.*  
 Gaumnitz, Jean, *Washington, D. C.*  
 Geisel, Vernon L., *Johnstown, Pa.*  
 Geiwitz, Jean, *Belle Mead, N. J.*  
 Gelbert, Marianne E., *Pittsburgh, Pa.*  
 Gillespie, Joyce A., *Brooklynn, N. Y.*  
 Gillinder, Frederick R., *Lansdale, Pa.*  
 Gummy, Mary K., *Reading, Pa.*

- Ginn, Hubert B., *Phillipsburg, N. J.*  
 Goecke, Elizabeth, *Middle Village, N. Y.*  
 Gore, King W., *Baltimore, Md.*  
 Gracey, Barbara M., *Collingswood, N. J.*  
 Graff, Lewis F., *Audubon, N. J.*  
 Grauch, Robert R., Jr., *Wynnewood, Pa.*  
 Graves, Elizabeth E., *Croton-on-Hudson, N. Y.*  
 Gray, Robert Y., *Ridgewood, N. J.*  
 Green, Thomas J., *Lilly, Pa.*  
 Griggs, Gail G., *Nutley, N. J.*  
 Grover, David E., *E. Brunswick, N. J.*  
 Guise, John A., *Gettysburg, Pa.*
- Hachtel, Robert, *Baltimore, Md.*  
 Haer, Marilyn R., *Warren, Pa.*  
 Hahn, Richard G., *Tarrytown, N. Y.*  
 Hake, Terry H., *York, Pa.*  
 Hall, Frances A., *Nutley, N. J.*  
 Hamilton, Frank W., *Haddonfield, N. J.*  
 Hamilton, Judith M., *Syracuse, N. Y.*  
 Hammond, Elaine H., *Syoset, N. Y.*  
 Hansen, Alfred W., *Fairfield, Conn.*  
 Hauck, Mary B., *Neffsville, Pa.*  
 Haydu, Suzanne J., *Short Hills, N. J.*  
 Heesen, Robert B., *Beaver Falls, Pa.*  
 Heinze, Ronald O., *Hagerstown, Md.*  
 Heiser, Barbara A., *Williamsport, Pa.*  
 Hendricks, Richard E., *Catawissa, Pa.*  
 Herb, William S., *Somerseset, Pa.*  
 Herman, Paul A., *Lancaster, Pa.*  
 Hermann, Suzanne K., *Sparta, N. J.*  
 Herrington, John H., *Troy, Pa.*  
 Hertzler, Kenneth W., *Bristol, Pa.*  
 Herzog, Karl A., *Churchville, Pa.*  
 Hess, Ronald F., *Ortanna, Pa.*  
 Hey, Donald, *Butler, N. J.*  
 Hiddemen, Joseph W., *Springfield, Pa.*  
 Hildebrandt, Joan M., *Williston Park, N. Y.*  
 Hilgen, Robert F., *Leonia, N. J.*  
 Hill, Janice R., *Norristown, Pa.*  
 Hill, Steven, *Brooklyn, N. Y.*  
 Hoch, Wayne, *Swarthmore, Pa.*  
 Hoehne, Victoria R., *E. Stroudsburg, Pa.*  
 Hoff, Joanna H., *Wellsville, Pa.*  
 Hoffman, Mary E., *Thurmont, Md.*  
 Hoffman, Mary Louise, *Lansdale, Pa.*  
 Hoffman, William A., *Ickesburg, Pa.*  
 Holdridge, Sally L., *Newton, Mass.*  
 Hormann, Paulina, *Honolulu, Hawaii*  
 Hotchkiss, Mary E., *Springfield, Pa.*  
 Howard, Virginia A., *Livingston, N. J.*  
 Hudson, Daniel, *Mars, Pa.*  
 Huey, Linda L., *Fort Washington, Pa.*  
 Hummel, Conrad C., *Easton, Pa.*  
 Hunt, David O., *Ephrata, Pa.*  
 Hutton, John E., *Hanover, Pa.*
- Ingerle, Jay N., Jr., *Philadelphia, Pa.*  
 Inman, Lois E., *Ruxton, Md.*
- Jacobs, Sylvia Y., *Camp Hill, Pa.*  
 Jacoby, Charles A., *Boiling Springs, Pa.*  
 Jaeger, Robert A., *N. Syracuse, N. Y.*  
 James, Arthur, *Joliet, Pa.*  
 Johnson, Calvert K., Jr., *Baltimore, Md.*  
 Johnson, Charles, *Allentown, Pa.*  
 Johnson, Harold, Jr., *Schenectady, N. Y.*  
 Johnson, James R., *Lewisburg, Pa.*  
 Johnson, Kerry, *Wantagh, N. Y.*  
 Johnson, Sandra L., *Lansdowne, Pa.*
- Kauffman, Ned M., *York, Pa.*  
 Keports, Richard L., *Dallastown, Pa.*  
 Kendall, Nancy D., *Red Bank, N. J.*  
 Kerr, Gary L., *York, Pa.*  
 Kester, William A., *Media, Pa.*  
 Kille, Robert H., *Penns Grove, N. J.*
- Kirchoff, William T., *Swedesboro, N. J.*  
 Klinger, Bonnie J., *Springfield, Pa.*  
 Knudsen, John T., *Wellsboro, Pa.*  
 Kraybill, Evelyn J., *Elizabethtown, Pa.*  
 Krayner, Richard T., *Haddon Heights, N. J.*  
 Kreider, Joanne S., *Lititz, Pa.*  
 Kreutz, Claire, *Northfield, N. J.*  
 Kron, Gerald J., *Mt. Kisco, N. Y.*  
 Kuhn, Carolyn A., *Middletown, Pa.*  
 Kupprat, Ingrid, *Holliswood, N. Y.*
- Lahet, Roy S., *New Holland, Pa.*  
 Lahr, Bruce A., *Staten Island, N. Y.*  
 Landis, Susan, *Pennsburg, Pa.*  
 Lawley, Charles, *Wyoming, Pa.*  
 Lebo, Carol, *Neffsville, Pa.*  
 Lentz, Gary, *York, Pa.*  
 Lewis, Alan, *Shreveport, La.*  
 Lillich, Jerry, *Abbotstown, Pa.*  
 Lindley, Irvin W., *Springfield, Pa.*  
 Lindsey, Richard O., *Haddon Heights, N. J.*  
 Lingenfelter, Charles, *Harrisburg, Pa.*  
 Lipani, Vincent P., *N. Plainfield, N. J.*  
 Little, Earl M., *Gettysburg, Pa.*  
 Lloyd, Peter, *Lansdowne, Pa.*  
 Lockwood, James C., *The Plains, Va.*  
 Long, John, *Greenville, Dela.*  
 Looker, Terry, *Camp Hill, Pa.*
- McCutcheon, Lawrence, Jr., *Chevy Chase, Md.*  
 McGrail, Eric R., *Woodbury, N. J.*  
 McGreal, Richard, *Union, N. J.*  
 McHargue, Kathryn A., *Bladensburg, Md.*  
 McIntyre, Marlene, *Corry, Pa.*  
 McKean, Robert W., *Haverhill, Mass.*  
 McKendrick, James T., *Lindenwood, N. J.*  
 Manly, Trammell B., *Washington, D. C.*  
 Marberger, James, III, *Norristown, Pa.*  
 Marthinuss, George, *Baltimore, Md.*  
 Mason, Barbara, *Drexel Hill, Pa.*  
 Mason, Holly, *Woodside, N. Y.*  
 Matozzo, Francis J., *Norristown, Pa.*  
 Mattingly, John M., *Washington, D. C.*  
 Mattson, Judith L., *Chevy Chase, Md.*  
 Messersmith, Dale, *York, Pa.*  
 Meyer, Thomas, *Katonah, N. Y.*  
 Michelson, Karen W., *Westfield, N. J.*  
 Middlemast, Nancy S., *Hicksville, N. Y.*  
 Miller, Gerald B., *Feasterville, Pa.*  
 Miller, H. Lucille, *Clear Spring, Md.*  
 Miller, Jack E., *Bainbridge, Pa.*  
 Miller, John J., *Sunbury, Pa.*  
 Miller, Merle, *Baltimore, Md.*  
 Mills, Carolyn, *Haddonfield, N. J.*  
 Minnich, Ellen C., *Ephrata, Pa.*  
 Missell, Rita, *Baltimore, Md.*  
 Mitchell, Richard, *Fair Lawn, N. J.*  
 Moore, Mary A., *Norristown, Pa.*  
 Moran, Bayard S., *Philadelphia, Pa.*  
 Morris, Jerry E., *Woodbury, N. J.*  
 Moss, Peter J., *Kew Gardens, N. Y.*  
 Motkoski, Betty, *Ortanna, Pa.*  
 Mowlds, Thomas, *Cockeysville, Md.*  
 Moyer, M. Patricia, *Doylestown, Pa.*  
 Muckstadt, John A., *Rochester, N. Y.*  
 Muller, Robert W., *Teaneck, N. J.*  
 Mumford, John D., *Wadsworth, Ohio*  
 Mummert, James A., *Spring Grove, Pa.*  
 Mundscheck, Paul E., *Port Washington, L. I., N. Y.*
- Munnich, Joyce J., *Mountainside, N. J.*  
 Myers, Donald E., *Dover, Pa.*  
 Myers, Lawrence A., *Bradford, Pa.*  
 Myhre, H. Kenneth, *Harrisburg, Pa.*
- Naughton, Gary L., *Mt. Vernon, N. Y.*  
 Naylor, James D., *Lambertville, N. J.*



Newman, Henry E., *Clarks Summit, Pa.*  
 Nickell, Joanna, *Hagerstown, Md.*  
 Noyes, Leslie, *Stratford, Conn.*  
 Nusbaum, Barbara A., *Harrisburg, Pa.*

Olsen, Norberth L., *Hockessin, Dela.*  
 Oudemool, Dirk J., *Kingston, N. Y.*  
 Owen, Carol E., *Teaneck, N. J.*  
 Oxley, Sandra L., *Jenkintown, Pa.*

Page, Suzanne A., *Baltimore, Md.*  
 Papoutsis, James G., *Waynesboro, Pa.*  
 Parker, Robert C., *Yeadon, Pa.*  
 Parker, Sidney N., *Hasbrouck Heights, N. J.*  
 Paul, Patricia, *West Chester, Pa.*  
 Payne, Judith B., *New Hyde Park, L. I., N. Y.*

Pearson, Carl, Jr., *Dumont, N. J.*  
 Pearson, James R., *Bethlehem, Pa.*  
 Pedersen, Joanne L., *Fords, N. J.*  
 Perkins, Thomas F., *Havertown, Pa.*  
 Peters, Wilda B., *Baltimore, Md.*  
 Pfeiffer, Alice, *Albany, N. Y.*  
 Philips, Mary R., *Pleasantville, N. Y.*  
 Platte, John D., *Pleasantville, N. Y.*  
 Ponsiglione, Gerald J., *Brooklyn, N. Y.*  
 Powell, Pamela J., *Alexandria, Va.*  
 Powers, David F., *Brooklyn, N. Y.*  
 Powers, Patricia H., *York, Pa.*  
 Pradel, Richard P., *Trenton, N. J.*  
 Preston, Jeffrey M., *Ridgewood, N. J.*

Radel, Marilyn K., *Penbrook, Harrisburg, Pa.*

Ramsdell, Richard, *Wynnewood, Pa.*  
 Rantanen, William, *Ardmore, Pa.*  
 Ratzman, Judith R., *Roselle, N. J.*  
 Reade, Elizabeth, *Nutley, N. J.*  
 Reaser, Joel, *Gettysburg, Pa.*  
 Reese, Carol A., *Trenton, N. J.*  
 Reese, Charles M., Jr., *Buck Hill Falls, Pa.*  
 Reeve, John, *Taneytown, Md.*  
 Remsberg, Philip, *Carlisle, Pa.*  
 Richards, Lynn, W., *Long Branch, N. J.*  
 Richardson, Donald, *Merrick, L. I., N. Y.*  
 Richter, Harry, *Bethlehem, Pa.*  
 Ripatrzone, Robert M., *Dover, N. J.*  
 Ritter, Mary L., *Littlestown, Pa.*  
 Robbins, Harold, Jr., *Catawissa, Pa.*  
 Roberts, Diane F., *Carversville, Pa.*  
 Roberts, George K., *Plymouth Meeting, Pa.*  
 Rockefeller, Richard, *Port Chester, N. Y.*  
 Roe, Josephine B., *Frostburg, Md.*  
 Roeder, Lee, *Line Lexington, Pa.*  
 Rogers, Donald L., *Germantown, Md.*  
 Rogers, John H. G., Jr., *Plainfield, N. J.*  
 Rohrer, Linda I., *Springfield, Dela. Co., Pa.*  
 Romig, William, *Gilbertsville, Pa.*  
 Roos, Barbara, *Bay Shore, L. I., N. Y.*  
 Rosvold, Hans, *Brooklyn, N. Y.*  
 Rotunda, Carol Ann, *Annvile, Pa.*  
 Roxby, Robert, *Glenside, Pa.*  
 Royer, Nancy S., *Lynchburg, Va.*  
 Russo, Virginia M., *Trenton, N. J.*

Sarvis, William, *Tappan, N. Y.*  
 Sassaman, Annabelle, *Hummelstown, Pa.*  
 Scharfe, Linda, *Irvington, N. J.*  
 Scheihing, Christine, *Philadelphia, Pa.*  
 Schmid, Robert T., *Westwood, N. J.*  
 Schmucker, James D., *Islip, N. Y.*  
 Schomp, Royal, *Fairfield, Conn.*  
 Schriver, Carolyn A., *York, Pa.*  
 Schults, Barbara, *Rahway, N. J.*  
 Schulz, E. Ann, *Marion, Va.*  
 Seberhagen, Meredith L., *Bala Cynwyd, Pa.*  
 Sedwick, Georgia, *Kittanning, Pa.*

Seebold, Scott, *Lewisburg, Pa.*  
 Seeley, Douglas C., *Kensington, Md.*  
 Seelig, John C., *Jackson Heights, N. Y.*  
 Seewagen, Barbara M., *Bayside, L. I., N. Y.*  
 Seiler, E. Frederick, *Ridgewood, N. J.*  
 Seippel, William, *Baltimore, Md.*  
 Shaffer, Ray G., *York, Pa.*  
 Shantz, Stephen, *Plymouth Meeting, Pa.*  
 Sherrer, Virginia, *Glen Rock, N. J.*  
 Shockey, Mark B., *Waynesboro, Pa.*  
 Sholly, Colleen G., *Myerstown, Pa.*  
 Siegel, John J., *Jamaica, N. Y.*  
 Simcoe, Larry P., *Troy, Pa.*  
 Sims, Robert, *Philadelphia, Pa.*  
 Simpson, Richard B., *Sunbury, Pa.*  
 Sinko, Carolyn, *Drexel Hill, Pa.*  
 Sites, Edward, *Fayetteville, Pa.*  
 Sloop, Dorthea, *Newport News, Va.*  
 Smith, Barry, *West Hempstead, N. Y.*  
 Smith, David, *High Spire, Pa.*  
 Smith, Ellen A., *Frederick, Md.*  
 Smith, Robert P., *Roosevelt, N. Y.*  
 Snow, Ernest, *Haddon Heights, N. J.*  
 Snyder, Don H., *Washington, D. C.*  
 Snyder, Sara, *Gettysburg, Pa.*  
 Sober, Sue, *Fort Bragg, N. C.*  
 Spencer, Margaret, *Philadelphia, Pa.*  
 Starliper, James, *Middletown, Pa.*  
 Stauffer, Perry, *Gettysburg, Pa.*  
 Steele, Suzanne, *Haddon Heights, N. J.*  
 Steinour, Donald J., *Carlisle, Pa.*  
 Sterner, Linda, *Hanover, Pa.*  
 Stewart, Carol Ann, *Berlin, N. J.*  
 Stock, Barbara, *York, Pa.*  
 Storck, Carolyn J., *Far Hills, N. J.*  
 Strange, Nancy, *Drexel Hill, Pa.*  
 Straw, Irvin, Jr., *York, Pa.*  
 Stroud, James A., *Springfield, Dela. Co., Pa.*  
 Stryker, Scott H., *Wanamassa, N. J.*  
 Study, Larry, *Hanover, Pa.*  
 Sugimura, Takashi, *Seabrook, N. J.*  
 Sulena, Antonia, *Philadelphia, Pa.*  
 Sundin, Eugenia, *Carlisle, Pa.*  
 Swyers, John W., *Scarsdale, N. Y.*  
 Sylvester, Horst, *Brooklyn, N. Y.*

Taylor, Elizabeth J., *West Chester, Pa.*  
 Ten Eyck, Stephen, *Loudonville, N. Y.*  
 Terry, Linda Lee, *Phillipsburg, N. J.*  
 Thompson, Barbara, *Haddonfield, N. J.*  
 Thompson, Carolyn, *York, Pa.*  
 Tibbott, Rowland H., Jr., *Ebensburg, Pa.*  
 Townsend, Richard J., *Riverton, N. J.*  
 Trachtman, Richard, *Brooklyn, N. Y.*  
 Trunk, Anne, *Coatesville, Pa.*  
 Trunk, Charles, *Frederick, Md.*  
 Tullsen, John P., *Westfield, N. J.*  
 Tyson, Susan, *Doylestown, Pa.*

Unger, Warren L., *Easton, Pa.*  
 Urofsky, John, *Easton, Pa.*

VanCleave, Sandra J., *Westbury, N. Y.*  
 Vandever, John J., *Haddon Heights, N. J.*  
 VanHeertum, Ronald, *Palisades Park, N. J.*  
 Veleber, Richard S., *Rochelle Park, N. J.*  
 Velten, Robert A., *Fosterdale, N. Y.*  
 Vitko, Donald R., *Stratford, Conn.*

Wagner, Karl A., *Milford, Pa.*  
 Wagner, Philip, Jr., *Wilmington, Dela.*  
 Wahl, Charles R., *Bernardsville, N. J.*  
 Walker, James G., *York, Pa.*  
 Walker, Nancy L., *Mountainside, N. J.*  
 Walsh, Linda L., *Tarrytown, N. Y.*  
 Walters, Barry E., *Easton, Pa.*  
 Walters, Michele L., *Altoona, Pa.*

- Wang, Joseph, *Philadelphia, Pa.*  
 Wargo, Philip M., *Shamokin, Pa.*  
 Warner, Ronald L., *York, Pa.*  
 Wasner, Earle G., *Philadelphia, Pa.*  
 Watson, Kermit S., Jr., *Oaklyn, N. J.*  
 Weidelt, Joan, *Denville, N. J.*  
 Weidemeyer, Elva A., *Baltimore, Md.*  
 Weimer, David S., *Gettysburg, Pa.*  
 Weiner, Arlene H., *Hasbrouck Heights, N. J.*  
 Wertman, Shirley, *Silver Spring, Md.*  
 Wetzell, Roy J., Jr., *Hanover, Pa.*  
 Whitacre, Linda J., *Springfield, Ohio*  
 Whitcraft, James, *West Chester, Pa.*  
 White, James M., *Malvern, Pa.*  
 Wichelman, Elaine, *Trevose, Pa.*  
 Wiegmann, Joan A., *Meadowbrook, Pa.*  
 Wilkerson, John, *Harrisburg, Pa.*  
 Williams, Carol, *Easton, Pa.*  
 Williams, George H., *Cranford, N. J.*  
 Wilson, Boyd K., *Lancaster, Pa.*  
 Wilson, Elizabeth A., *York, Pa.*  
 Wilson, John H., *Bridgeport, Pa.*  
 Wiltshire, E. Lynn, *Brooklyn, N. Y.*
- Winters, Linda, *Yonkers, N. Y.*  
 Wisniewski, Frank, *Stratford, N. J.*  
 Witt, James L., *Aspers, Pa.*  
 Wolfe, Franklin A., *Pine Grove, Pa.*  
 Wolford, Joyce, *York, Pa.*  
 Woltersdorf, Robert J., *Philadelphia, Pa.*  
 Woolf, Donna, *Caldwell, N. J.*  
 Wright, Edward, *Philadelphia, Pa.*  
 Wright, Richard A., *Manchester, Conn.*  
 Wyker, Donald C., *Newton, N. J.*
- Yeager, Julia, *Haddonfield, N. J.*  
 Yeaw, Martha F., *Paterson, N. J.*  
 Yingling, Carl G., *Hanover, Pa.*  
 Yost, Michael, *Hanover, Pa.*  
 Young, John H., *Shamokin, Pa.*
- Zech, Barbara S., *York, Pa.*  
 Zedelis, Robert V., *West Hempstead, L. I., N. Y.*  
 Zerbe, Judith, *Harrisburg, Pa.*  
 Zumeta, Linda, *Roslyn Heights, L. I., N. Y.*  
 Zurowski, Marsha J., *Emmaus, Pa.*

## Students Attending the 1958 Summer Session

- Abernathy, John M., *Media, Pa.*  
 Adams, Floyd C., *Elmer, N. J.*  
 Africa, Sally, *Huntingdon, Pa.*  
 Agabeg, M. Elmo, *Tehran, Iran*  
 Albright, Judith R., *Havertown, Pa.*  
 Aldridge, Robert C., *New Oxford, Pa.*  
 Annis, Brian, *Blue Ridge Summit, Pa.*
- Bachman, Albert E., *Gettysburg, Pa.*  
 Barkley, Robert, *Cleveland Heights, Ohio*  
 Bartholet, William M., *New York, N. Y.*  
 Baumgardner, Edward W., *Taneytown, Md.*  
 Beck, Arthur, *Glenolden, Pa.*  
 Bernstein, George B., *Harrisburg, Pa.*  
 Bender, George R., *Gettysburg, Pa.*  
 Black, James H., *New Cumberland, Pa.*  
 Blake, Robert C., *Harrisburg, Pa.*  
 Bonney, Stephen B., *Drexel Hill, Pa.*  
 Borke, Barbara A., *New Cumberland, Pa.*  
 Bosco, Vincent, *Monessen, Pa.*  
 Bostock, Judith, *Carlisle, Pa.*  
 Bower, Suzanne C., *Ridgewood, N. J.*  
 Bowersox, Paul E., *Westminster, Md.*  
 Brandt, Ronald, *Harrisburg, Pa.*  
 Bream, Carol B., *Gettysburg, Pa.*  
 Bream, Peggy Jo, *Gettysburg, Pa.*  
 Brehl, Diane, *Douglaston, L. I., N. Y.*  
 Bright, David, *Norristown, Pa.*  
 Brooks, George H., *Lebanon, Pa.*  
 Bruner, Frances L., *Gettysburg, Pa.*  
 Brunner, Karl R., *Morrisville, Pa.*  
 Burg, Earl R., *Red Lion, Pa.*  
 Burtzell, Aubison, *Belmore, N. Y.*
- Calcagni, Gino R., *Allentown, Pa.*  
 Campbell, James, *Hanover, Pa.*  
 Carr, Patricia, *Richmond, Va.*  
 Chin, Beyoung-woong, *Seoul, Korea*  
 Clegg, Ruth A., *Philadelphia, Pa.*  
 Coady, Bartine H., *Yeadon, Pa.*  
 Coffman, Hally F., *Mantua, N. J.*  
 Coffman, Judy, *Hagerstown, Md.*  
 Cohen, Barry, *Clear Spring, Md.*  
 Colby, Glen H., *Brooklyn, N. Y.*  
 Collett, Leo H., *Irwin, Pa.*  
 Collins, Paul T., *Upper Montclair, N. J.*  
 Condor, William J., *Tamaqua, Pa.*  
 Conrad, Judith A., *Hanover, Pa.*  
 Copeland, James E., *Ft. Lauderdale, Fla.*
- Corbett, Charles, *Abington, Pa.*  
 Cranmer, Raymond, *York, Pa.*  
 Crawford, John, *Perry, N. Y.*  
 Crowl, Lewis A., *Gettysburg, Pa.*  
 Cuthbert, Allen, *Narberth, Pa.*
- Damon, Philip M., *Ridgewood, N. J.*  
 Daylor, Joseph E., *Harrisburg, Pa.*  
 Dean, Barbara, *Vineland, N. J.*  
 Deiley, Robert M., *Allentown, Pa.*  
 Deitz, Mrs. Margaret, *Gettysburg, Pa.*  
 Dieck, Robert, *Sunbury, Pa.*  
 Donley, Jane C., *Gettysburg, Pa.*  
 Donald, Edward E., *Boxman, Md.*  
 Dulebohn, George D., *Greencastle, Pa.*
- Enterline, William, *Ashland, Pa.*  
 Evans, Barry L., *Dillsburg, Pa.*
- Felker, William, *Beavertown, Pa.*  
 Fellows, Allen, *Merchantville, N. J.*  
 Ferrey, George E., *Conyngham, Pa.*  
 Finck, Michael E., *St. Petersburg, Fla.*  
 Fiore, Frank, *Irrington, N. J.*  
 Franz, David R., *Philadelphia, Pa.*  
 Frazee, William J., *Ft. Hill, Pa.*  
 Frey, Rita M., *Hanover, Pa.*  
 Friedman, Alan C., *Philadelphia, Pa.*  
 Friedman, Sigmund, *York, Pa.*  
 Friling, John, *Milford, N. J.*  
 Fritzinger, George O., *Allentown, Pa.*  
 Frontz, Maurice C., Jr., *Lancaster, Pa.*  
 Futaih, Abdulaziz, *Washington, D. C.*
- Gass, Mark K., Jr., *Sunbury, Pa.*  
 Ganzer, John, *Blue Bell, Pa.*  
 Gerber, Robert, *York, Pa.*  
 Gindlesperger, Norman, *Windber, Pa.*  
 Gleason, Philip, *New Britain, Pa.*  
 Gmerek, Ronald F., *Camden, N. J.*  
 Goodman, Horace, *Wilmington, Del.*  
 Gordon, Dale F., *Hanover, Pa.*  
 Gosnell, Robert, *Braddock Heights, Md.*  
 Grathwohl, James F., *Cutchoque, N. Y.*  
 Gray, Sarah L., *Hanover, Pa.*  
 Graybill, David L., *Hanover, Pa.*  
 Grof, Samuel, *Wormleysburg, Pa.*  
 Grommisch, Edna, *Oneonta, N. Y.*  
 Guise, R. Frederick, *Gettysburg, Pa.*

Gummel, Charles, *Hanover, Pa.*  
Guthrie, James, *Greensburg, Pa.*

Hafey, Robert, *Mt. Gretna, Pa.*  
Hall, Anthony J., *Rahway, N. J.*  
Hall, Melinda S., *Baltimore, Md.*  
Hamilton, Frank W., *Haddonfield, N. J.*  
Hamm, Sandra, *Hanover, Pa.*  
Hanes, Lee, *Wayne, Pa.*  
Hardman, Raymond C., *Gettysburg, Pa.*  
Harris, Robert, *Teaneck, N. J.*  
Harrison, Donald B., *Glen Riddle, Pa.*  
Hartman, Waldo T., *Gettysburg, Pa.*  
Hattery, John W., *Baltimore, Md.*  
Hayes, Helen, *Emmitsburg, Md.*  
Heberly, Thomas, *York, Pa.*  
Heckenluber, Joyce M., *Biglerville, Pa.*  
Heidt, Elizabeth, *Gettysburg, Pa.*  
Hemler, Dale J., *Hanover, Pa.*  
Henry, John T., *Dallastown, Pa.*  
Herring, Fred M., *Fairfield, Pa.*  
Hunsberger, Charles, *Pleasantville, Pa.*

Jackson, Roger F., *Baltimore, Md.*  
Jean, Sally L., *Toronto, Canada*  
Johnston, Anderson, *Baltimore, Md.*  
Jones, David, *Ardmore, Pa.*  
Jones, Edward T., *Hanover, Pa.*

Karschner, Mrs. Elizabeth, *Abbottstown, Pa.*  
Kaye, Martin, *Kingston, N. Y.*  
Keyes, Charles R., *N. Linthicum, Md.*  
King, Walter W., *Huntingdon Valley, Pa.*  
Klinefelter, James H., *Baltimore, Md.*  
Knapper, William H., *St. Petersburg, Fla.*  
Koehler, Betty L., *Baltimore, Md.*  
Kohlhepp, Virgil N., *Du Bois, Pa.*  
Koven, Williamson C., *White Plains, N. Y.*  
Kratzert, John M., *New Oxford, Pa.*  
Kroculik, George, *Jim Thorpe, Pa.*  
Krone, George B., *York, Pa.*  
Kugler, William O., *Lewisburg, Pa.*

Lamberton, Benjamin, *Taneytown, Md.*  
Lawver, Donald E., *Gettysburg, Pa.*  
Lebo, Leslie R., *Carlisle, Pa.*  
Lex, Donald, *Morrisville, Pa.*  
Libby, Jack S., *Burnham, Pa.*  
Lieberknecht, Donald E., *York, Pa.*

McCleaf, Jack, *Emmitsburg, Md.*  
McConnell, Michael L., *Blairsville, Pa.*  
McKay, Paul E., *Baltimore, Md.*  
Makovitch, Victor, *Westminster, Md.*  
Maloney, John F., *Middletown, N. J.*  
Mann, Robert H., *Cumberland, Md.*  
Martz, Cordell L., *Harrisburg, Pa.*  
Matthias, Mrs. Dorothy, *Gettysburg, Pa.*  
Mehring, Joyce S., *Gettysburg, Pa.*  
Melech, Robert, *Rochester, N. Y.*  
Miller, David, *Carlisle, Pa.*  
Miller, Edmund M., *Mt. Wolf, Pa.*  
Miller, Elizabeth J., *Hungerford, Pa.*  
Miller, Lawrence A., *Phoenixville, Pa.*  
Miller, Roger J., *Hagerstown, Md.*  
Miller, Rodney, Jr., *Gardners, Pa.*  
Mitchell, John E., *Fair Lawn, N. J.*  
Mitchell, Margaret H., *Emmitsburg, Md.*  
Morrell, David, *Fairfield, Conn.*  
Morrison, Robert B., *Hagerstown, Md.*  
Morrow, William H., *Somers Point, N. J.*  
Motta, Ernest, *Panama, Republic of Panama*  
Murray, James, *Emporium, Pa.*  
Myers, Jonathan P., *Baltimore, Md.*

Nassehi, Fraidoun, *Tehran, Iran*  
Newmark, Warren, *Lansdowne, Pa.*

Noble, John, *New Oxford, Pa.*  
Nonas, Paul J., *Leonig, N. J.*  
Nye, James, *Harrisburg, Pa.*

Odell, Donald, *New Rochelle, N. Y.*  
Ottman, Nancy, *Floral Park, N. Y.*

Palmer, Richard, *Linthicum Heights, Md.*  
Panebianco, Donald G., *Flushing, N. Y.*  
Parry, Robert T., *Harrisburg, Pa.*  
Paul, Ronald, *Harrisburg, Pa.*  
Peck, Jonathan, *Wayne, Pa.*  
Peckham, James S., *Troy, Pa.*  
Peiren, Clement, *Harrisburg, Pa.*  
Pfeffer, Helen, *Gettysburg, Pa.*  
Polley, Margaret L., *Fairfield, Pa.*  
Potteiger, Lester A., *Gettysburg, Pa.*  
Powell, Eugene A., *Harrisburg, Pa.*  
Prevost, Jules F., *Radnor, Pa.*  
Pruzman, Paul, Jr., *Hanover, Pa.*  
Purdy, Richard C., *Lansdowne, Pa.*  
Pushkar, Matthew A., *Pittsburgh, Pa.*  
Putman, Kathryn I., *Harrisburg, Pa.*

Ramsdell, Richard, *Wynnewood, Pa.*  
Reich, Ira M., *Hillside, N. J.*  
Reighter, John, *Newport, Pa.*  
Renjillian, John, *Fairfield, Conn.*  
Reuning, James L., *Gettysburg, Pa.*  
Rex, Richard O., Jr., *Philadelphia, Pa.*  
Rexrode, William O., *Fayetteville, Pa.*  
Rhoads, George A., Jr., *Camp Hill, Pa.*  
Rogers, Charlotte, *Gettysburg, Pa.*  
Rose, John H., *Merrick, N. Y.*  
Rowan, Richard E., *Harrisburg, Pa.*  
Ruhl, Charles E., *Strasburg, Pa.*  
Ryder, Elizabeth, *Hagerstown, Md.*

Sage, Jacob S., *Brooklyn, N. Y.*  
Sampson, Barbara A., *E. Longmeadow, Mass.*

Sanderson, Robert W., *S. Orange, N. J.*  
Saul, James B., *Harrisburg, Pa.*  
Schneider, Edmund M., *Clifton, N. J.*  
Schoelette, Edwin, *Haverford, Pa.*  
Scott, William H., *Gettysburg, Pa.*  
Shallock, John, *Fords, N. J.*  
Shimer, Richard, *Bedford, Pa.*  
Shirey, Elmer C., *Pittsburgh, Pa.*  
Shirk, Sally A., *Wyomissing, Pa.*  
Shockey, Mark B., *Waynesboro, Pa.*  
Shockley, Floyd K., *Pennsauken, N. J.*  
Sibert, Philip L., *Frederick, Md.*  
Sinnott, Peter B., *Green Harbor, Mass.*  
Skelton, James T., *York, Pa.*  
Slaybaugh, David, *Gettysburg, Pa.*  
Slevin, Edward, *Hanover, Pa.*  
Smith, Anna M., *Mechanicsburg, Pa.*  
Smith, Cynthia L., *Drums, Pa.*  
Smulders, Francis, *W. Bradenton, Fla.*  
Snowman, Paul, *Ann Arbor, Mich.*  
Snyder, Richard H., *Hummelstown, Pa.*  
Stabile, Helen, *Raritan, N. J.*  
Steiner, Robert G., *Waynesboro, Pa.*  
Stoner, Joan E., *Gettysburg, Pa.*  
Strickler, Charles S., *Oradell, N. J.*  
Strawn, Roscoe L., *Mt. Carmel, Pa.*

Theall, Thomas E., *Media, Pa.*  
Toggas, John T., *Gettysburg, Pa.*  
Tomlinson, Allen K., *E. Greenville, Pa.*  
Townson, Jere, *Downingtown, Pa.*

Valko, Clement, *Raritan, N. J.*  
VanDeGriek, Albert, *St. Petersburg, Fla.*  
VanLowe, Carl R., *Silver Spring, Md.*  
Volkman, George W., *Baltimore, Md.*  
VonCzoernig, Carl E., *Chester Springs, Pa.*



Wagner, Robert Z., *White Plains, N. Y.*  
 Walborn, George, *Gettysburg, Pa.*  
 Walker, James A., *Gettysburg, Pa.*  
 Walters, William H., *Glenside, Pa.*  
 Wampler, Norman A., *York, Pa.*  
 Warfel, Francis D., *Lancaster, Pa.*  
 Wattis, Richard, *Jenkintown, Pa.*  
 Weaver, John C., *Frederick, Md.*  
 Wetzal, Roy J., *Hanover, Pa.*  
 Whalen, Thomas C., *Mahanoy City, Pa.*  
 White, Peter Boyd, *Camp Hill, Pa.*  
 White, Weston B., *Flushing, N. Y.*  
 Whitmer, Edwin W., Jr., *Essex Falls, N. J.*  
 Whitsel, Barry L., *Mount Union, Pa.*  
 Wile, Susan H., *York, Pa.*

Wille, Howard, *Baltimore, Md.*  
 Wilmot, John L., Jr., *Gettysburg, Pa.*  
 Wolfe, Richard E., *Littlestown, Pa.*  
 Wolff, Sandra L., *Gettysburg, Pa.*  
 Wolthorn, Theodore S., *Morrisville, Pa.*  
 Wood, Ronald, *Brooklyn, N. Y.*  
 Woods, John W., *Gettysburg, Pa.*  
 Wright, Edward R., *Philadelphia, Pa.*  
 Wright, William C., *Rutherford, N. J.*

Yingling, James A., *Union Bridge, Md.*  
 Yohe, Merrill, *New Oxford, Pa.*  
 Young, Frank R., *Hackensack, N. J.*

Zagars, Gunars, *Gettysburg, Pa.*

## Special Students

Albert Bachman  
 Daniel Beirne  
 James Boring  
 Daniel Brady  
 Lynn Bream  
 Khlar Daye  
 Eugene Deardorff  
 James Deichert  
 Jane Donley  
 Rev. Alfred Gotwalt  
 E. Milton Guss  
 Joan Habecker  
 Anne Homan  
 Frederick Hughes, Jr.  
 Elizabeth Johnson  
 Nicholas Kargas  
 Helen King  
 Joyce Kociatyn  
 Ann Lau  
 Karen Linderwurth  
 Robert Little  
 Elizabeth Lott

Barbara McLorie  
 Dorothy Matthias  
 Mark Miller  
 Mrs. Merle Millhimes  
 Rev. J. Harold Mowen  
 Clyde Mummert  
 Constance Noerr  
 Ernest Oyler  
 Robert Peterson  
 William Rexrode  
 Ruth Ruby  
 John Schildt  
 Mary Jane Schwartz  
 Mrs. Donald Sheely  
 Spurgeon Shue  
 Margaret Smith  
 Ada Steirer  
 Margaret Villard  
 George Walborn  
 James Walker  
 Robert Yingling

## Summary

### Students in College First Semester 1958-59

	MEN	WOMEN	TOTAL
Seniors .....	276	73	349
Juniors .....	267	71	338
Sophomores ..	281	124	405
Freshmen .....	285	187	472
Special .....	23	20	43
	1,132	475	1,607

## Geographical Distribution of Students

1958-59

STATE	STUDENTS
Pennsylvania .....	861
New Jersey .....	289
New York .....	194
Maryland .....	142
Connecticut .....	23
Virginia .....	20
Washington, D. C. ....	13
Florida .....	8
Delaware .....	8
Massachusetts .....	7
Ohio .....	7
Other States .....	35



# Commencement 1958

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June 8

*Commencement Speaker*

Professor Roland Herbert Bainton

## Bachelor of Arts

### *Summa Cum Laude*

Donald James Holland  
Julia Margo Owens  
• Robert Leroy Register

### *Magna Cum Laude*

Kenneth Charles Anderson  
Phyllis Andrea Ball  
Barbara Ellen Bogue  
Elaine Rochelle Bonnett  
Sara Louise Clouser  
James Wilson Deichert  
John Weile Kirst  
• Joseph William Kochenderfer  
Ada Louise Kreider  
Lynn Mansell Louden  
• Carol Doub Long Pennington  
JoAnn Sherman

### *Cum Laude*

Ellen Billheimer  
Eunice Gail Elwood  
William Henry Neff, Jr.  
Roger Merrill Patches  
Janet Mears Varner  
Evelyn Fairbanks Zwahl

### *Rite*

Richard Lang Adams  
Charles Mason Allender  
Richard Virgilio Anastasi  
William Anglemoyer, III  
James George Apple  
H. Bruce Aslaksen  
Albert Eric Bachman  
Charles Alexander Baier, Jr.  
Larry Dean Bailey  
Bonnie Rae Bankert  
David Plank Barnes  
Peter Fridley Baughman  
John Gourley Baylor  
• Noel Anthony Beebe  
John Henry Benjamin  
Stephen Hurst Bishop  
James Howard Black  
Samuel Adams Blackwell  
William Douglas Boddington  
Harper Leroy Bohr, Jr.  
Leroy Grayson Bream  
Walter Luther Brenneman, Jr.

Courtney Doyle Bright, Jr.

Barbara Lyn Brown  
Elizabeth Ann Brown  
Jean Brown  
Jay Brundage  
• John Malcolm Buckey  
Warren Lucius Buckler  
Charles Laurie Burger  
Barbara Ann Burkhart  
David Thomas Byrne  
Woodrow Watts Call  
Lawrence Stewart Cameron  
• Robert John Carson  
• William Samuel Carter  
Charles John Charles  
James Walter Belmont Church, Jr.  
William Wilson Clark, III  
Marjorie Elizabeth Clayton  
Richard Codori Cole  
• Stephen Wheeler Colyer  
Lloyd Dean Coover  
Nancy Westcott Craft  
Thomas Franklin Crain  
• Allen Rodney Curry, Jr.  
• Janet Hoenniger Davis  
• Paul Allan Davis  
Eugene Arthur Deardorff  
Barbara Emma Deetz  
• Sigmund Swartz Decker  
Burnell Richard Dehoff  
• Jaime Delgadillo  
Maralyn June DeLoca  
Elaine Ruth Derham  
Carol Mae Dingfelder  
Marilyn Lee Divan  
Carolyn Warren Doehne  
Jane Claire Donley  
Joan Elaine Doyle  
Robert James Drennen  
• Carole Ann Eckman  
• Robert Charles Eicholtz  
Eileen Lenore Engstrom  
Leonard A. Falk  
John Franklin Farquhar  
Urban Elmer Fetterhoff  
Martin Eugene Finck  
Ronald Edward Fink  
James Howard Fisher  
Mary Alice Fisher  
Barbara Ann Flammer

• Completed requirements January 30, 1958

• Completed requirements August 30, 1957

- Ethel Ruth Gotwald Foor  
 Richard Jay Ford  
 David Lee Foreman  
 Ann Rena Forgie  
 Russell Howard Friedrich  
 Lawrence Wilson Gaenzle  
 Edward Willis Gible  
 Dale Frederick Giese  
 Jay Sherrick Gilbert  
 Robert Edwin Gladney  
 Jean Brooke Glocker  
 Ronald Francis Gmerek  
 Joseph Edward Gonzalez, Jr.  
 •• Joseph Dean Gottshalk  
 Guy Oldt Graybill  
 Clyde Fillmore Grimm, Jr.  
 Fred Eugene Gross  
 Arnold Charles Grossman  
 Lloyd J. Grove  
 • Earl Milton Guss  
 Robert Luther Haar  
 Donald Arthur Haas  
 Donald Gordon Hailey  
 Betty Lee Hall  
 Donald William Hallauer, Jr.  
 Albert Daniel Hamilton  
 •• William Alfred Hancock  
 John Howland Hanzl  
 • Robert Neff Harcourt  
 Don Thomas Harris  
 •• James Waddell Hechler  
 Merritt Robert Heckel  
 John Edgar Henschen  
 David Raoul Hetrick  
 John Callesen Hinrichsen  
 •• Spencer King House, II  
 George Edward Hubler, Jr.  
 Margaret Huettenreiter  
 Sarah Jacobs  
 Karl Ernest Johnson  
 Eleanor Louise Jones  
 Sandra Ruth Joseph  
 Richard Arthur Jungels  
 Glenn Warren Kauffmann  
 Robert Ralph Kauffman  
 David Couter Kessler  
 Alice Anne Klewer  
 •• Leon Max Koppelman  
 Dorothy Gail Kranich  
 Henry Eyster Kroh  
 Noel Edwin Kroncke  
 Susan Marian Krum  
 Barry Eugene Kunkel  
 Robert George Kunsman  
 Barry Jay Lane  
 Dixon Jeffrey Lang  
 Dorothea Ann Larkin  
 Lloyd Scott Lauver  
 Thomas Olcott Lawler  
 Larry Lee Lehman  
 •• Barbara Diane Leidholdt  
 Marie Theresa Leonard  
 John Richard Lilly  
 Marguerite Mitten Long  
 Harry George Louser, III  
 Robert Taylor McClarin  
 George Bartholomew McGowan, Jr.  
 • Floyd Ernest McMullen  
 •• Henry Patrick McNally  
 Patricia Ann Macken  
 Vorrie Beard Macom  
 William Lester Maine, Jr.  
 Frank Clifford Malsy  
 Joan Louise Manges  
 Edward William Marsden, Jr.  
 Ruth Margaret Marsh  
 Richard Ernest Martin  
 Richard Hugo Martin  
 John Putnam Matthews  
 Donald Walter Matthias  
 •• James Lee Mattson  
 Albur Chapman Mayhew  
 Suzanne Mickley  
 Carl Eugene Miller  
 Larry McCleary Miller  
 Martin Miller  
 Roy Daniel Miller, Jr.  
 Patricia Zoe Mills  
 LeRoy Arthur Miltner  
 Gareth Heefner Mitchell  
 Paul Adalbert Montgomery  
 Edward Roland Moore  
 •• Herbert Fisher Moore, Jr.  
 Virginia Ann Moyer  
 Margaret Anne Peale Myers  
 • Kenneth Henry Newbould  
 Thomas Charles Niven  
 Constance Elaine Noer  
 Cheryl Suzanne Opperman  
 Warren Sayre Orcutt  
 Nancy Jane Ortel  
 Walter Pierson Palmer, Jr.  
 Theodore Emil Parsons  
 John Konstanty Pawlowski  
 Ronald Edward Peirson  
 Janice Lucy Petrillo  
 Leon Altmiller Phillips  
 Joyce Madeleine Potter  
 John William Pritsch  
 Donna Lee Rahn  
 Vernon Girard Rapp  
 John Kenneth Reese  
 Lowell Edward Reinhardt  
 Mary Ellen Reinsmith  
 William David Reiss  
 Robert Eike Rentschler  
 John David Rhodes  
 Jack Tremaine Ribble  
 •• Francis Harrison Richard, Jr.  
 Jack Norman Richard  
 Roy Edward Roberts, Jr.  
 Kenneth F. Rogers  
 George Wilson Rohrbaugh, Jr.  
 Robert Decker Rohrbaugh  
 Owen I. Roizman  
 Joanne A. Rositzke  
 Harold Milton Ruddy  
 Patricia Ann Rudisill  
 Raymond W. Saxon, Jr.  
 Theodore Richard Schaffer  
 Judith Lynne Schaub  
 Bruce Vaughan Schlusemeyer  
 Clair Eugene Schnure  
 Elizabeth Jane Schreiner  
 Charles Bernard Schriver  
 Ronald Wallace Schuette  
 Margery Eyler Schuler  
 Dean Jacob Sell  
 Gerald Daniel Shealer  
 •• William Augustus Shepard, III  
 Mark Sibley, Jr.  
 Judith Ann Sloterbeek  
 Theodore Lawrence Soistmann, Jr.  
 George Louis Spoerl, Jr.  
 • Ronald David Staub

\*Completed requirements January 30, 1958

••Completed requirements August 30, 1957

- Joy Steidle  
 Donald Levere Stein  
 Kenneth Vincent Steinharter  
 Ann Stetser ✓  
 \*Mary Creveling Stevens  
 Marlene Strayer Stiffler ✓  
 Stephen Bear Stock  
 \*James Holden Stott, III  
 Robert Viggo Swensen  
 David Lee Thomas  
 Kevin Blair Thomas  
 Earl Alexander Tieppo  
 Walter Topolski  
 \*Franklin Fouché Trainer, III  
 Stanley S. Traymore, Jr.  
 Jacob Earl Trimmer, V  
 J. Scott Tully
- \*Paul Lester Utz  
 David Stephen VanHouten  
 Howard Leonhardt Vogt  
 \*Barbara Lory Wagner  
 Charlotte Ann Way  
 Ralph Steele Weaver, II  
 Barbara Ann Welwood  
 Fred Harry Wetzel  
 Norma Lorraine Wieland  
 Michael Bargelt Wierman  
 John Kelvin Williams  
 Anne Mabel Wilson  
 Thomas Jackson Winter  
 Ruth Jeanette Woodrow  
 Alfred Howard Worts, III  
 \*George Booker Wright  
 Chauncey Oliver Yingst

## Bachelor of Science in Music Education

### *Magna Cum Laude*

Carola Machetzki Rohrbach

### *Cum Laude*

Marlene Sterner Shilling

### *Rite*

Elizabeth Ellen Burger  
 Rachel Elaine Carl  
 Frieda Gaffney Ehrhart

Joyce Cynthia Hamm Elsner  
 Clyde Laveré Mummert  
 Ronald Stanley Webb

## Bachelor of Science in Physical Education

### *Rite*

Charles William Beachem  
 John Cornelius Best  
 Delton Curtis Bushey  
 Frank Alvin Capitani  
 Donald Merle Harman  
 Neil Arthur Hickoff  
 Phyllis Mae Hicks ✓

Alan Richard Kempton  
 Stanton Richard Musser  
 \*Albert John Pingitore  
 Robert Sepulveda  
 Robert Richard VanSaders  
 Robert William Walsack  
 Robert Bruce Wandling

Earl Edward Yost, Jr.

## Valedictorian

Lynn Mansell Louden

## Salutatorian

Julia Margo Owens

### HIGHEST CLASS HONORS

#### *Senior*

Kenneth Charles Anderson  
 Donald James Holland  
 Lynn Mansell Louden  
 Julia Margo Owens  
 \*Robert Leroy Register

### CLASS HONORS

#### *Senior*

Albert Eric Bachman  
 Phyllis Andrea Ball  
 Ellen Billheimer  
 Barbara Ellen Bogue  
 Elaine Rochelle Bonnett

\*Completed requirements January 30, 1958

\*Completed requirements August 30, 1957

Leroy Grayson Bream  
 Barbara Lyn Brown  
 \*Robert John Carson  
 Sara Louise Clouser  
 Nancy Westcott Craft  
 James Wilson Deichert  
 Frieda Gaffney Ehrhart  
 Eileen Lenore Engstrom  
 Joseph Edward Gonzalez, Jr.  
 George Edward Hubler, Jr.  
 John Weile Kirst  
 \*Joseph William Kochenderfer  
 Ada Louise Kreider  
 Marie Theresa Leonard  
 William Henry Neff, Jr.  
 Carola Machetzki Rohrbaugh  
 George Wilson Rohrbaugh, Jr.  
 JoAnn Sherman  
 Marlene Sterner Shilling  
 \*Ronald David Staub  
 Kevin Blair Thomas  
 Janet Mears Varner  
 Evelyn Fairbanks Zwahl

## HIGHEST CLASS HONORS

*Junior*

John Joseph Wenzke

## CLASS HONORS

*Junior*

Carol Lynne Bonney  
 Shirley Alice Burkert  
 Frederick Arthur Foltz  
 Jack Arthur Kline  
 Janet Eileen Leight  
 David Blaine McGrail  
 Paul William Naper  
 Ronald Larry Paul  
 Robert Michael Philson  
 Sara Jane Schneider  
 Mary Margaret Schrack  
 Robert Leonard Schumann  
 Dianne Sheffer  
 Beverly Joy Vaniel  
 Robert Bruce Wolf

## HIGHEST CLASS HONORS

*Sophomore*

Donna Jean Brogan  
 John Franklin Miller, III  
 Edward Leo Palmer  
 Ludwig Frederick Schlecht

## CLASS HONORS

*Sophomore*

Helen Rimmel Barley  
 James Harvey Brenneman  
 Alan Lester Buechler  
 Richard John Davidyock  
 Virginia Blanche Dorn  
 Julia Behrens Gatter  
 Mary Anne Heckler  
 Elizabeth Cassel Heldt  
 Robert Dietz Hyson  
 Caleb Rodney Layton, Jr.  
 Barbara Lee Moore

Sue Ann Ruby  
 John Christian Scheffey  
 Louise Caroline Schilpp  
 Sally Elizabeth Skomsky  
 Janet Lucille Weitcomb  
 William Henry Wertman

## HIGHEST CLASS HONORS

*Freshman*

Robert Merrill Cohn  
 Marlene Beatrice Hyson  
 Gary Graham Jackson

## CLASS HONORS

*Freshman*

Leonard Bennett Alenick  
 Mervin Robert Dilts  
 Bruce Ralph Fretz  
 Joan Virginia Gleisner  
 Charles Preston Gummel  
 Jay Crawford Hebrank  
 Vida Helms  
 Bruce Kieffer Horne  
 Lynn Diane Jacobsen  
 Doris Jean Kurzenknabe  
 Jose Mari Lacambra  
 Alta Elizabeth Leshner  
 Thomas Richard McGready  
 Johanna Mary Menge  
 Linda Anne Perissi  
 Raymond Henry Phyles  
 Howard Frederick Reisz, Jr.  
 Susan Fleming Stoddart  
 Jon Parker Wagnild  
 Jane Diana Young

## DEPARTMENTAL HIGHEST HONORS

*In Chemistry*

James Wilson Deichert

*In Business Administration  
and Economics*

John Weile Kirst

*In English*

Elaine Rochelle Bonnett

*In French*

Sara Louise Clouser  
 Donald James Holland

*In History*

Kenneth Charles Anderson  
 Julia Margo Owens

*In Latin*

Ada Louise Kreider

*In Philosophy*

Lynn Mansell Louden

*In Political Science*

\*\*Robert Leroy Register

*In Psychology*

Barbara Ellen Bogue  
 George Edward Hubler, Jr.

\*Completed requirements January 30, 1958

\*\*Completed requirements August 30, 1957



DEPARTMENTAL HONORS

*In Bible*

Roger Merrill Patches

*In Business Administration  
and Economics*

Robert Luther Haar

*In English*

JoAnn Sherman  
Janet Mears Varner

*In French*

Ellen Billheimer

*In Mathematics*

\*Joseph William Kochenderfer  
Marie Theresa Leonard  
Joyce Madeleine Potter  
Roy Edward Roberts, Jr.

*In Music*

Albert Eric Bachman  
Barbara Lyn Brown  
Carola Machetzki Rohrbaugh  
Marlene Sterner Shilling

*In Physical Education*

Judith Ann Slotterbeck

*In Political Science*

Evelyn Fairbanks Zwahl

*In Psychology*

Phyllis Andrea Ball  
Eunice Gail Elwood

*In Spanish*

\*\*Carol Doub Long Pennington

SENIORS ELECTED TO PHI BETA KAPPA

Kenneth Charles Anderson  
Phyllis Andrea Ball  
Barbara Ellen Bogue  
Elaine Rochelle Bonnett  
\*Robert John Carson  
Sara Louise Clouser  
James Wilson Deichert  
Donald James Holland  
John Weile Kirst  
\*Joseph William Kochenderfer  
Ada Louise Kreider  
Lynn Mansell Louden  
Julia Margo Owens  
\*\*Carol Long Pennington  
\*Robert Leroy Register  
George Wilson Rohrbaugh, Jr.  
JoAnn Sherman  
\*Ronald David Staub  
Kevin Blair Thomas

SENIORS IN GETTYSBURG HONOR SOCIETY

Phyllis Andrea Ball  
Bonnie Rae Bankert  
Robert Barkley  
Ellen Billheimer  
Elaine Rochelle Bonnett

Elizabeth Ellen Burger  
Marjorie Elizabeth Clayton  
Eileen Lenore Engstrom  
Donald Arthur Haas  
Margaret Huettenreiter  
John Weile Kirst  
Ada Louise Kreider  
Marie Theresa Leonard  
Julia Margo Owens  
Janice Lucy Petrillo  
Mary Ellen Reinsmith  
Carola Machetzki Rohrbaugh  
Judith Lynne Schaub  
Judith Ann Slotterbeck

AMERICAN ASSOCIATION OF  
UNIVERSITY WOMEN GIFT  
MEMBERSHIP

Carola Machetzki Rohrbaugh

ASSOCIATION OF THE UNITED STATES  
ARMY PRIZE

Gary Lee Seufert

BAUM MATHEMATICAL PRIZE

William Henry Wertman

*With Honorable Mention*

Richard Mack Bentz  
Stephen Gray Bishop  
Chester Gordon Ober

BEACHEM AWARD

Frank Alvin Capitani

BETA BETA BETA  
JUNIOR PRIZE

Sandra Marie Amundsen

BETA BETA BETA  
PROVISIONAL PRIZE

Sally Elizabeth Skomsky

C. E. BILHEIMER AWARD

Judith Ann Slotterbeck

CHI OMEGA SOCIAL SCIENCE AWARD

Julia Margo Owens

DELTA GAMMA ALUMNAE  
ASSOCIATION AWARD

Barbara Ann Borke

DELTA PHI ALPHA PRIZE

Lynn Mansell Louden

ANTHONY DI PALMA  
MEMORIAL AWARD

Robert Michael Philson

MARGARET E. FISHER  
MEMORIAL AWARD

Robert deRoos Smith

\*Completed requirements January 30, 1958

\*\*Completed requirements August 30, 1957

## GARVER GREEK PRIZE

Howard Frederick Reisz, Jr.  
and  
Raymond Henry Phyles

## GARVER LATIN PRIZE

Johanna Mary Menge

## GRAEFF ENGLISH PRIZE

Janet Mears Varner

## HAMME AWARD

Wayne Edward Baumgardner  
William Patrick Conway  
Frederick Arthur Foltz

## HANSON AWARD

Lynn Mansell Louden

## HASSLER LATIN PRIZE

Mary Margaret Schrack

## FRANK H. KRAMER AWARD

Barbara Emma Deetz

## LUTHERAN BROTHERHOOD AWARD

Frederick Arthur Foltz  
Kathryn Ione Putman

GEORGE R. MILLER  
MEMORIAL AWARD

George Wilson Rohrbaugh, Jr.

## MILITARY MEMORIAL PRIZE

Robert Michael Philson                      Air Science  
George Edward Hubler, Jr.                  Military Science

## MOORE AWARD

Harper Leroy Bohr, Jr.

## MUHLENBERG FRESHMAN PRIZE

Howard Frederick Reisz, Jr.

## NICHOLAS BIBLE PRIZE

Roger Merrill Patches

## WILLIAM H. PATRICK AWARD

Lawrence Wilson Gaenzle

PENNSYLVANIA INSTITUTE OF  
CERTIFIED PUBLIC ACCOUNTANTS  
AWARD

John Weile Kirst

## PHI SIGMA IOTA PRIZE

Sara Louise Clouser  
Donald James Holland

## PI DELTA EPSILON AWARD

Paul Theodore Collins

## SCEPTICAL CHYMISTS PRIZE

Jeffrey Lynn Kahler

## STINE CHEMISTRY PRIZE

James Wilson Deichert

## DR. GEORGE W. STONER AWARD

James Wilson Deichert

## With Honorable Mention

Barry Jay Lane  
Allen Kenneth Tomlinson

## WEAVER ESSAY PRIZE

Peter Fridley Baughman  
Joseph Edward Gonzalez, Jr.

## ZIMMERMAN SENIOR PRIZE

Phyllis Andrea Ball

## UNITED STATES ARMY COMMISSIONS

*Commissioned as Second Lieutenants in the United States Army Reserve*

- |                               |                          |
|-------------------------------|--------------------------|
| °James George Apple           | °Larry Lee Lehman        |
| †Charles William Beachem      | Richard Hugo Martin      |
| Walter Luther Brenneman, Jr.  | °John Putnam Matthews    |
| Frank Alvin Capitani          | †Alburt Chapman Mayhew   |
| †Allen Silver Cuthbert, Jr.   | †Martin Miller           |
| °Ronald Edward Fink           | John William Pritsch     |
| Russell Howard Friedrich      | John Kenneth Reese       |
| †Edward Willis Gibble         | Kenneth F. Rogers        |
| °Donald William Hallauer, Jr. | °Ronald Wallace Schuette |
| †Donald Merle Harman          | †Girard Seitter, III     |
| °George Edward Hubler, Jr.    | Stanley S. Traymore, Jr. |
| °Robert Ralph Kauffman        | Robert Bruce Wandling    |
| Thomas Olcott Lawler          | †Frank Roger Young       |

## UNITED STATES NAVY COMMISSION

*To be commissioned an Ensign, United States Navy Reserve*

Robert James Drennen

°Distinguished Military or AFROTC Graduates

†To be commissioned in Summer, 1958

°°Distinguished Military Graduates to be commissioned in Regular Army

## UNITED STATES MARINE CORPS COMMISSIONS

*To be commissioned in the United States Marine Corps*

Harper Leroy Bohr, Jr.

*To be commissioned in the United States Marine Corps Reserve*John Edgar Henschen  
Robert Richard VanSaders

## UNITED STATES AIR FORCE COMMISSIONS

*Commissioned as Second Lieutenants in the United States Air Force Reserve*John Gourley Baylor  
\*John Henry Benjamin  
James Walter Belmont Church, Jr.  
Richard Jay Ford  
Robert Luther Haar  
\*David Couter Kessler  
Edward William Marsden, Jr.Stanton Richard Musser  
\*William Henry Neff, Jr.  
Walter Pierson Palmer, Jr.  
\*Kenneth Vincent Steinharter  
Stephen Bear Stock  
David Lee Thomas  
\*Chauncey Oliver Yingst

## HONORARY DEGREES

*Doctor of Divinity*Luther Weltmer Evans  
Richard Byers Martin  
Wallace Eldred Fisher*Doctor of Letters*

Roland Herbert Bainton

*Doctor of Science*John Zimmerman Bowers  
Martin Herbert Eisenhart*Doctor of Laws*†Sigurd Anderson  
Margaret Chase Smith*Doctor of Humane Letters*

†John Cuthbert Long

\*Distinguished Military or AFROTC Graduates

†Honorary degrees conferred at Convocation September, 1958

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CATALOGUE NUMBER

# Gettysburg College Bulletin

*Founded in 1832*

REGISTER FOR 1959-1960

ANNOUNCEMENT OF COURSES FOR 1960-1961

*Vol. L*

*April, 1960*

*No. 4*

**GETTYSBURG COLLEGE**

GETTYSBURG, PENNSYLVANIA

The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time, but its practice is to make no provisions retroactive.

The Gettysburg College Bulletin is published by the College: Alumni Editions in January, May, July, and October; Admissions Editions in February, March, and April.

Entered at the Post Office at Gettysburg, Pa., as second class matter under the Act of July 16, 1904.

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## COMMUNICATION WITH THE COLLEGE

Visitors are welcome at Gettysburg College. During the regular academic year the Administrative Offices are open from 9 A.M. to 5 P.M. Monday through Friday and from 9 A.M. to 12 Noon on Saturday. During June, July, and August the offices close at 4 P.M. Whenever possible, visitors should make appointments in advance with the officials they wish to meet. Normally, someone is available to conduct a guided tour of the campus.

The post-office address of the College is Gettysburg College, Gettysburg, Pa. Letters to the College should be addressed as follows, according to the nature of the inquiry:

The President .....	the general interest of the College
The Dean of the College .....	general academic policy
The Dean of Admissions .....	admissions procedures, scholarships and financial aid, and catalogues and other printed information
The Dean of Students .....	general student affairs and housing accommodations
The Registrar .....	College records and transcripts
The Business Manager .....	all business and financial matters
The Director of Development .....	contributions and bequests
The Director of Public Information .....	information about College events
The Director of the Summer Session ....	the summer academic program



SEPTEMBER 1, 1959, AND ENDING AUGUST 31, 1961

1959

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER								
M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S
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1960

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16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER								
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1961

JANUARY						FEBRUARY							MARCH							APRIL						
M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
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MAY						JUNE							JULY							AUGUST						
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29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30	31		
													30	31												

## PROPOSED CALENDAR

1960-1961

1960

*June 8*  
*July 15*  
*July 18*  
*August 23*

### SUMMER SESSION

*Wednesday*, Registration  
*Friday*, First session ends  
*Monday*, Second session begins  
*Tuesday*, Second session ends

### FALL SEMESTER

*September 11-16*  
*September 17*  
*September 19*  
*October 1*  
*October 22*  
*November 7*  
*November 23*  
  
*November 28*  
*December 17*

*Sunday-Friday*, Orientation Week and Registration  
*Saturday*, Formal Opening Exercises, 11:00 A.M.  
*Monday*, Classes begin 7:50 A.M.  
*Saturday*, Father's Day  
*Saturday*, Alumni Homecoming  
*Monday*, Mid-Semester Reports  
*Wednesday*, Thanksgiving Recess begins 12:00 Noon  
*Monday*, Thanksgiving Recess ends 7:50 A.M.  
*Saturday*, Christmas Recess begins 12:00 Noon

1961

*January 3*  
*January 4-6*  
  
*January 16-25*

*Tuesday*, Christmas Recess ends 7:50 A.M.  
*Wednesday-Friday*, Senior Comprehensive Examinations  
*Monday-Wednesday*, Mid-Year Examinations

### SPRING SEMESTER

*January 31*  
*February 1*  
*February 12-15*  
*March 10-12*  
*March 20*  
*March 28*  
*April 5*  
*April 26*  
*May 3-5*  
  
*May 6*  
*May 18-27*  
*June 3*  
*June 4*

*Tuesday*, Registration  
*Wednesday*, Classes begin  
*Sunday-Wednesday*, Religious Emphasis Week  
*Friday-Sunday*, Interfraternity Weekend  
*Monday*, Mid-Semester Reports  
*Tuesday*, Easter Recess begins 12:00 Noon  
*Wednesday*, Easter Recess ends 7:50 A.M.  
*Wednesday*, Spring Registration  
*Wednesday-Friday*, Senior Comprehensive Examinations  
*Saturday*, Mother's Day  
*Thursday-Saturday*, Final Examinations  
*Saturday*, Alumni Day  
*Sunday*, Baccalaureate and Commencement

# Board of Trustees

<i>First Elected</i>		<i>Term Expires</i>
1956	WILLARD STEWART PAUL, LL.D., Gettysburg .....	
1923	HENRY W. A. HANSON, D.D., LL.D., Harrisburg .....	1963
1935	C. WILLIAM DUNCAN, Springfield, Dela. Co. ....	1965
1937	CLYDE E. GERBERICH, Mount Joy .....	1960
1939	WILLIAM J. MILLER, JR., D.D., Philadelphia .....	1960
1939	JOHN S. RICE, <i>Chairman</i> , Gettysburg .....	1962
1941	RICHARD C. WETZEL, Reading .....	1965
1946	CLARENCE A. WILLS, Gettysburg .....	1964
1947	MRS. CHARLES W. BAKER, Springdale .....	1960
1948	WILLIAM H. SANDLAS, Baltimore, Md. ....	1960
1948	CHESTER S. SIMONTON, D.D., York .....	1960
1949	PAUL R. SIEBER, M.D., Pittsburgh .....	1961
1952	JOHN A. APPLE, <i>Vice Chairman</i> , Sunbury .....	1964
1952	LESTER GINGERICH, Philadelphia .....	1964
1954	WALTER E. GARMAN, <i>Alumni Representative</i> , Baltimore .....	1960
1954	LLOYD VAN DOREN, PH.D., Tempe, Ariz. ....	1960
1954	GORDON WHITCRAFT, Philadelphia .....	1960
1954	BERTRAM WILDE, Philadelphia .....	1960
1955	GEORGE B. BAKER, <i>Alumni Representative</i> , Haddon Heights, N. J. ....	1961
1955	HORACE G. PORTS, <i>Secretary</i> , York .....	1961
1955	DONALD K. WEISER, Chicago, Ill. ....	1961
1956	MRS. WILLARD STEWART PAUL, <i>Alumni Representative</i> , Gettysburg .....	1962
1957	LUTHER RITTER, <i>Alumni Representative</i> , Littlestown .....	1963
1957	WARREN C. HEINLY, D.D., <i>Central Pennsylvania Synod Representative</i> , Lancaster .....	1965
1957	DAVID S. BANTLEY, M.D., <i>Central Pennsylvania Synod Representative</i> , Johnstown .....	1961
1957	HOWARD J. MCCARNEY, B.D., <i>Central Pennsylvania Synod Representative</i> , Assistant Secretary, Hanover .....	1963
1958	LLOYD M. KELLER, D.D., <i>Maryland Synod Representative</i> , Orrtanna, Pa. ....	1964
1958	JULIUS G. HLUBB, PH.D., <i>Maryland Synod Representative</i> , Baltimore, Md. ....	1964
1958	STEWART SMITH, PH.D., <i>West Virginia Synod Representative</i> , Huntington, W. Va. ....	1964
1958	MILLARD E. GLADFELTER, PH.D., Jenkintown .....	1965

<i>First Elected</i>		<i>Term Expires</i>
1958	GEORGE E. ALLEN, Washington, D. C. ....	1964
1958	ARTHUR S. SIPE, <i>Alumni Representative</i> , Drexel Hill .....	1964
1959	EDWIN T. FERREN, M.D., Merchantville, N. J. ....	1965
1959	WILLIAM H. B. STEVENS, <i>Alumni Representative</i> , Harris- burg .....	1965
1959	HARRY C. MCCREARY, Indiana .....	1960
1959	JOSIAH W. KLINE, Harrisburg .....	1960



# Standing Committees of the Board

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*Executive Committee:* JOHN A. APPLE, *Chairman*; LESTER GINGERICH, MILLARD E. GLADFELTER, HOWARD J. MCCARNEY, HORACE G. PORTS, WILLIAM H. SANDLAS, CLARENCE A. WILLS.

*Finance Committee:* CLARENCE A. WILLS, *Chairman*; GEORGE E. ALLEN, CLYDE E. GERBERICH, HARRY C. MCCREARY, RICHARD C. WETZEL, BERTRAM M. WILDE, EDWIN T. FERREN.

*Buildings and Grounds Committee:* WILLIAM H. SANDLAS, *Chairman*; C. WILLIAM DUNCAN, LESTER GINGERICH, J. W. KLINE, MRS. W. S. PAUL, LUTHER RITTER, WILLIAM H. B. STEVENS, GORDON WHITCRAFT, CLARENCE A. WILLS, HARRY C. MCCREARY.

*Pensions Committee:* LESTER GINGERICH, *Chairman*; JULIUS G. HLUBB, ARTHUR S. SIPE, DONALD K. WEISER, BERTRAM M. WILDE.

*Infirmiry Committee:* PAUL R. SIEBER, *Chairman*; MRS. CHARLES W. BAKER, DAVID S. BANTLEY, EDWIN T. FERREN.

*Student Activities Committee:* HORACE G. PORTS, *Chairman*; GEORGE B. BAKER, WALTER E. GARMAN, WARREN C. HEINLY, LLOYD M. KELLER, MRS. W. S. PAUL, STEWART SMITH, GORDON WHITCRAFT.

*Religious Program Committee:* HOWARD J. MCCARNEY, *Chairman*, MRS. CHARLES W. BAKER, JR., HENRY W. A. HANSON, WARREN C. HEINLY, LLOYD M. KELLER, WILLIAM J. MILLER, JR., CHESTER S. SIMONTON.

*Planning Committee:* JOHN A. APPLE, *Chairman*; CLYDE E. GERBERICH, HOWARD J. MCCARNEY, HORACE G. PORTS, WILLIAM H. SANDLAS, WILLIAM H. B. STEVENS.

*Nominating Committee:* PAUL R. SIEBER, *Chairman*; GEORGE E. ALLEN, ARTHUR S. SIPE, LLOYD VAN DOREN, DONALD K. WEISER.

*Representative, Advisory Committee on Athletics:* WILLIAM H. B. STEVENS.

*Ex-Officio Members of All Committees*  
PRESIDENT OF THE COLLEGE  
CHAIRMAN OF THE BOARD OF TRUSTEES

# The Administration

*As of April 1, 1960*

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## WILLARD STEWART PAUL

*President*

B.S., *The Johns Hopkins University*; A.M., LL.D., *American University*;  
LL.D., *Roanoke College*.

## HENRY W. A. HANSON

*President, Emeritus*

A.B., A.M., *Roanoke College*; B.D., *Gettysburg Theological Seminary*; D.D.,  
*Gettysburg College*; LL.D., *Bucknell University*, *Lafayette College*, and *Wit-  
tenberg College*.

## MILDRED JOHNSON

*Administrative Assistant to the President*

A.B., *Gettysburg College*.

## EDWERTH E. KORTE

*Chaplain*

A.B., *Gettysburg College*; B.D., *Gettysburg Theological Seminary*.

## JOHN H. KNICKERBOCKER

*Historian and Director, Civil War Institute*

A.B., A.M., *Columbia University*.

## RICHARD A. BROWN

*College Counsel*

A.B., *Gettysburg College*; LL.B., *University of Pennsylvania*.

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## SEYMOUR B. DUNN

*Dean of the College*

A.B., *Dartmouth College*; A.M., Ph.D., *Cornell University*.

## CHARLES H. GLATFELTER

*Assistant Dean of the College and Director of Summer Session*

A.B., *Gettysburg College*; Ph.D., *The Johns Hopkins University*.

## CHARLES R. WOLFE

*Dean of Admissions*

A.B., A.M., *Gettysburg College*

## MARTIN H. CRONLUND

*Associate Dean of Admissions*

A.B., *Gettysburg College*; A.M., *Temple University*.

**PAUL G. PETERSON***Assistant, Admissions Office*A.B., *St. Olaf College*; M.S.M., *Union Theological Seminary*.**MILDRED H. HARTZELL***Registrar*B.S., *Gettysburg College*.**LILLIAN H. SMOKE***Acting Librarian*A.B., *Juniata College*; B.L.S., *Columbia University*.**DOROTHY J. RIDDAGH***Assistant Librarian*A.B., *Wilson College*; B.S.L.S., *Drexel Institute, School of Library Science*.**SARAH B. WESTINE***Assistant Librarian*B.S., *Simmons College*.**DORIS M. KEMLER***Assistant Librarian*B.S., *University of Minnesota*.**ANNA D. GRIMM***Assistant in Charge of Stacks*A.B., *Ursinus College*.**JOHN W. SHAINLINE***Dean of Students*A.B., *Gettysburg College*; A.M., *Columbia University*.**MARTHA STOREK***Dean of Women*A.B., *Connecticut College*; Ph.D., *Bryn Mawr College*.**W. RAMSAY JONES***Dean of Men*A.B., *Gettysburg College*.**BARBARA L. PLATT***Acting Director of Guidance and Placement*B.S., *Allegheny College*; A.M., *Ohio State University*.**LEWIS B. FRANK***Special Counselor*B.S., *Franklin and Marshall College*; A.M., *The Johns Hopkins University*.**R. DAVID YOUNG***Clinical Consultant*A.B., *Harvard University*; Ph.D., *University of Texas*

PAUL N. TERWILLIGER

*Director of Reading Services*

B.S., *Clarion State College*; M.A., *Lehigh University*.

HAROLD O. CLOSSON, JR.

*Director of Student Union*

B.S., *University of Maryland*.

CHESTER G. CRIST

*Medical Director, Emeritus*

M.D., *Medico Chi of Philadelphia*.

TILDEN I. MOE

*College Physician*

A.B., B.S., M.D., *University of Minnesota*.

ADA TUCKEY, R.N.

*Head Nurse*

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F. STANLEY HOFFMAN

*Business Manager*

B.S., M.S., *Gettysburg College*.

STEVE C. DUNLAP

*Assistant Business Manager*

B.S., *University of Pittsburgh*.

JAY BROWN

*Bursar*

REX MADDOX

*Superintendent of Buildings and Grounds*

RAYMOND STROHM

*Book Store Manager*

---

HAROLD A. DUNKELBERGER

*Director of Development and Alumni Relations*

A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary*; Ph.D., *Columbia University*.

ROY D. MILLER, JR.

*Assistant to Director of Development and Alumni Relations*

A.B., *Gettysburg College*.

RAYMOND S. DAVIS

*Director of Public Information*

B.S., *Gettysburg College*.

RONALD D. STAUB

*Assistant to the Director of Public Information*

A.B., *Gettysburg College*.

ROSEA ARMOR

*Administrative Assistant to the Director of Alumni Relations*



# The Faculty<sup>1</sup>

*As of April 1, 1960*

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**WILLARD STEWART PAUL, *President***

B.S., *The Johns Hopkins University*; A.M., LL.D., *American University*; LL.D.,  
*Roanoke College*.  
1956-

**SEYMOUR B. DUNN, *Dean of the College***

A.B., *Dartmouth College*; A.M., Ph.D., *Cornell University*.  
1955-

## Emeriti

**HENRY W. A. HANSON, *President, Emeritus***

A.B., A.M., *Roanoke College*; B.D., *Lutheran Theological Seminary, Gettysburg*; D.D., *Gettysburg College*; LL.D., *Bucknell University, Lafayette College, and Wittenberg College*.  
1923-1952

**WILBUR E. TILBERG, *Dean of the College, Emeritus***

A.B., *Bethany College*; A.M., *University of Kansas*; Ph.D., *University of Wisconsin*.  
1927-1955

**CLAYTON E. BILHEIMER, *Professor of Physical Education, Emeritus***

M.E., *Lehigh University*; A.M., *Columbia University*.  
1928-1953

**FRANK H. KRAMER, *Professor of Education, Emeritus***

A.B., *Gettysburg College*; A.M., Ph.D., *University of Pennsylvania*.  
1920-1956

**WILLIAM C. WALTEMYER, *Professor of English Bible, Emeritus***

A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary, Gettysburg*; A.M., Ph.D., *American University*.  
1929-

**JOHN B. ZINN, *Professor of Chemistry, Emeritus***

B.S., *Gettysburg College*; Ph.D., *The Johns Hopkins University*.  
1924-1959

**WILLIAM D. HARTSHORNE, JR., *Associate Professor of Romance Languages, Emeritus***

A.B., A.M., *Haverford College*; *Diplôme de Professeur de français à l'étranger, University of Toulouse*.  
1928-1959

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<sup>1</sup> Members of the faculty are listed alphabetically within rank. The dates given indicate the years of service at the College.

### Professors

**RICHARD A. ARMS**, *Alumni Professor of Mathematics and Director of Dramatics, Department Chairman*

A.B., Ursinus College; Ph.D., University of Pennsylvania.

1920-

**ALBERT BACHMAN**, *Professor of Romance Languages, Department Chairman*

Ph.D., University of Zurich; Agregation, University of Zurich; Ph.D., Columbia University.

1931-

**COL. ROBERT M. BEECHINOR**, *Professor of Military Science and Tactics, Department Chairman*

A.B., Teachers College of Connecticut.

1957-

**ROBERT L. BLOOM**, *Adeline Sager Professor of History, Department Chairman*

B.S., Shippensburg State College; A.M., Duke University; Ph.D., Columbia University.

1949-

**M. ESTHER BLOSS**, *Professor of Sociology, Department Chairman*

A.B., Cornell University; A.M., Ph.D., Columbia University.

1953-

<sup>2</sup> **EARL BOWEN**, *Dr. Charles H. Graff Professor of Biology, Department Chairman*

A.B., Hendrix College; A.M., Ph.D., Harvard University.

1939-

**HENRY T. BREAM**, *Professor of Health and Physical Education, Department Chairman*

B.S., Gettysburg College; A.M., Columbia University.

1926-

**DOROTHY DOUGLAS**, *Visiting Professor of Sociology*

A.B., Bryn Mawr College; A.M., Ph.D., Columbia University.

1957-

**HAROLD A. DUNKELBERGER**, *Amanda Rupert Strong Professor of English Bible*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg; Ph.D., Columbia University.

1950-

**RICHARD B. GEYER**, *Graeff Professor of English, Department Chairman*

A.B., A.M., Miami University; Ph.D., Northwestern University.

1954-

**JOHN G. GLENN**, *Pearson Professor of Latin, Department Chairman*

A.B., A.M., Wesleyan University; Ph.D., Princeton University.

1925-

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<sup>2</sup> On leave of absence, 1959-1960.

CHESTER JARVIS, *Professor of Political Science, Department Chairman*  
A.B., A.M., *University of California*; Ph.D., *University of Pennsylvania*.  
1950-

RICHARD T. MARA, *Sahm Professor of Physics, Department Chairman*  
A.B., *Gettysburg College*; M.S., Ph.D., *University of Michigan*.  
1953-

FRANCIS C. MASON, *Professor of English*  
A.B., A.M., *University of Virginia*; A.M., *Harvard University*; Ph.D., *University of Virginia*.  
1925-

LT. COL. MARTIN F. PETERS, *Professor of Air Science, Department Chairman*  
A.B., *Gettysburg College*.  
1957-

INGOLF QUALLY, *Professor of Art, Department Chairman*  
A.B., *St. Olaf College*; B.F.A., M.F.A., *Yale University*.  
1956-

<sup>3</sup> NORMAN E. RICHARDSON, JR., *William Bittinger Professor of Philosophy, Department Chairman*  
A.B., *Amherst College*; B.D., *Yale Divinity School*; Ph.D., *Yale University*.  
1945-

RUSSELL S. ROSENBERGER, *Professor of Education, Department Chairman*  
B.S., *Geneva College*; M.Litt., Ed.D., *University of Pittsburgh*.  
1956-

CALVIN SCHILDKNECHT, *Ockershausen Professor of Chemistry, Department Chairman*  
B.S., *Gettysburg College*; Ph.D., *The Johns Hopkins University*.  
1959-

WILLIAM FREDERICK SHAFFER, *Franklin Professor of Greek, Department Chairman*  
A.B., A.M., Ph.D., *Princeton University*.  
1931-

MYRON SIMPSON, *Visiting Professor of Biology*  
A.B., *American University*; Sc.D., *The Johns Hopkins University*.  
1944-1948, 1958-

C. ALLEN SLOAT, *Professor of Chemistry*  
B.S., *Gettysburg College*; A.M., *Haverford College*; Ph.D., *Princeton University*.  
1927-

<sup>3</sup> KENNETH L. SMOKE, *Professor of Psychology, Department Chairman*  
A.B., A.M., Ph.D., *Ohio State University*.  
1927-1929, 1946-

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<sup>3</sup> On leave of absence, first semester 1959-1960.

MILTON L. STOKES, *Professor of Economics, Department Chairman*  
A.B., A.M., LL.B., *University of Toronto*; Ph.D., *University of Pennsylvania*.  
1950-

WILLIAM K. SUNDERMEYER, *Professor of German, Department Chairman*  
Ph.D., *University of Goettingen*.  
1939-

PARKER B. WAGNILD, *Professor of Music, Department Chairman*  
A.B., *St. Olaf College*; M.S.M., *Union Theological Seminary*; B.D., *Lutheran Theological Seminary, Gettysburg*; A.M., *New York University*.  
1937-

WILLIAM C. WALTEMAYER, *Visiting Professor of English Bible, Department Chairman*  
A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary, Gettysburg*; A.M., Ph.D., *American University*.  
1929-

### Associate Professors

R. HENRY ACKLEY, *Associate Professor of Music*  
A.B., *Western Maryland College*; *Peabody Conservatory of Music*.  
1953-

<sup>4</sup> FREDERICK C. AHRENS, *Associate Professor of German*  
A.B., *University of Western Ontario*; A.M., Ph.D., *Columbia University*.  
1946-

ROBERT D. BARNES, *Associate Professor of Biology*  
B.S., *Davidson College*; Ph.D., *Duke University*.  
1955-

HARRY F. BOLICH, *Associate Professor of Speech and Director of Debating*  
A.B., A.M., *Bucknell University*.  
1947-

BASIL L. CRAPSTER, *Associate Professor of History*  
A.B., *Princeton University*; A.M., Ph.D., *Harvard University*.  
1949-

WILLIAM C. DARRAH, *Associate Professor of Biology*  
B.S., *University of Pittsburgh*.  
1957-

EDWIN D. FREED, *Associate Professor of Bible*  
A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary, Gettysburg*; Ph.D., *Harvard University*.  
1948-1951, 1953-

CHARLES H. GLATFELTER, *Associate Professor of History*  
A.B., *Gettysburg College*; Ph.D., *The Johns Hopkins University*.  
1949-

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<sup>4</sup> On leave of absence, second semester 1959-1960.



EUGENE M. HAAS, *Associate Professor of Health and Physical Education*

A.B., *Gettysburg College*; A.M., *Columbia University*.  
1954

HERBERT G. HAMME, *Associate Professor of Romance Languages*

A.B., *Dickinson College*; A.M., *Gettysburg College*.  
1922-1923, 1924-

LESTER O. JOHNSON, *Associate Professor of Education*

A.B., *St. Olaf College*; A.M., *University of Minnesota*.  
1930-

<sup>1</sup> GRACE C. KENNEY, *Associate Professor of Health and Physical Education*

B.S., *New York University*; A.M., *Columbia University*.  
1948-

RALPH D. LINDEMAN, *Associate Professor of English*

A.B., *University of Pittsburgh*; A.M., *Columbia University*; Ph.D., *University of Pittsburgh*.  
1952-

HAROLD M. MESSER, *Associate Professor of Biology*

Ph.B., *Brown University*; A.M., *Columbia University*.  
1947-

M. SCOTT MOORHEAD, *Associate Professor of Mathematics*

B.S., M.A., *Washington and Jefferson College*; Ph.D., *University of Pittsburgh*.  
1955-

CHARLES E. PLATT, *Associate Professor of Psychology*

A.B., *Wittenberg College*; A.M., Ph.D., *Ohio State University*.  
1957-

W. RICHARD SCHUBART, *Associate Professor of Philosophy*

A.B., *Dartmouth College*; A.M., *Columbia University*.  
1950-

<sup>2</sup> KATHRINE KRESSMANN TAYLOR, *Associate Professor of English*

A.B., *University of Oregon*.  
1947-

GLENN S. WEILAND, *Associate Professor of Chemistry*

B.S., M.S., Ph.D., *University of Maryland*.  
1946-1947, 1949-

JOSEPH K. WOLFINGER, *Associate Professor of English*

A.B., *St. John's College*; A.M., *The Johns Hopkins University*.  
1946-

WALDEMAR ZAGARS, *Associate Professor of Economics*

Ph.D., *University of Riga, Latvia*.  
1956-

<sup>1</sup> On leave of absence, second semester 1959-1960.

<sup>2</sup> On leave of absence, 1959-1960.

EARL E. ZIEGLER, *Associate Professor of Mathematics*  
B.S., M.S., *Gettysburg College*.  
1935-

### Assistant Professors

CAPT. CHARLES H. AUER, *Assistant Professor of Military Science and Tactics*  
B.S., *Norwich University*.  
1959-

PAUL R. BAIRD, *Assistant Professor of Economics*  
A.B., A.M., *Pennsylvania State University*.  
1951-

PATRICK W. BARCLAY, *Assistant Professor of Fine Arts*  
DIPLOMA OF ART, *Edinburgh College of Art, Edinburgh University*.  
1957-

<sup>2</sup> GUILLERMO BARRIGA, *Assistant Professor of Spanish*  
B.S., *Colombian Naval Academy*; M.A., *Middlebury College*.  
1951-

CAPT. DANIEL R. BEIRNE, *Assistant Professor of Military Science and Tactics*  
B.S., *United States Military Academy*.  
1957-

ALBERT W. BUTTERFIELD, *Assistant Professor of Mathematics*  
B.S., *United States Naval Academy*; A.M., *University of Michigan*.  
1958-

E. DOUGLAS DANFELT, *Assistant Professor of Music*  
B.Mus., *Eastman School of Music*; M.A., *Teachers College, Columbia University*.  
1955-

THEODORE C. DANIELS, *Assistant Professor of Physics*  
A.B., *Oberlin College*.  
1954-

LEWIS B. FRANK, *Assistant Professor of Psychology*  
B.S., *Franklin and Marshall College*; A.M., *The Johns Hopkins University*.  
1957-

ROBERT H. FRYLING, *Assistant Professor of Mathematics*  
A.B., *Gettysburg College*; M.S., *University of Pittsburgh*.  
1947-1950, 1958-

HAROLD I. GLAD, *Assistant Professor of Health and Physical Education*  
B.S., *Maryville College*; M.A., *Columbia University*.  
1959-

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<sup>2</sup> On leave of absence, 1959-1960.

LOUIS J. HAMMANN, *Assistant Professor of Bible*  
A.B., *Gettysburg College*; B.D., *Yale Divinity School*.  
1956-

LOUISE HARNED, *Assistant Professor of Political Science*  
A.B., *Bryn Mawr College*; M.A., Ph.D., *Yale University*. ✓  
1959-

J. RICHARD HASKINS, *Assistant Professor of Physics*  
B.S., *University of Texas*; Ph.D., *Ohio State University*.  
1959-

<sup>4</sup> C. ROBERT HELD, *Assistant Professor of Latin*  
A.B., *Gettysburg College*; A.M., *Princeton University*.  
1954-1955, 1956-

ROBERT T. HULTON, *Assistant Professor of Health and Physical Education*  
A.B., *Grove City College*.  
1957-

R. EUGENE HUMMEL, *Assistant Professor of Health and Physical Education*  
A.B., *Gettysburg College*; A.M., *Columbia University*.  
1957-

SIGRID L. LEHNBERGER, *Assistant Professor of Romance Languages*  
A.B., *Hofstra College*; A.M., *Duke University*.  
1952-1956, 1959-

ROWLAND ELIZABETH LOGAN, *Assistant Professor of Biology*  
A.B., *University of California*; M.S., Ph.D., *Northwestern University*.  
1958-

MARIE MCLENNAND, *Assistant Professor of English*  
A.B., A.M., *University of Pittsburgh*. ✓  
1955-

CAREY A. MOORE, *Assistant Professor of Bible*  
A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary, Gettysburg*.  
1955-1956, 1959-

EDWARD R. OSTRANDER, *Assistant Professor of Psychology*  
A.B., *Syracuse University*; A.M., Ph.D., *University of Illinois*.  
1957-

JAMES D. PICKERING, *Assistant Professor of English*  
A.B., A.M., *Wesleyan University*.  
1954-

ALEX ROWLAND, *Assistant Professor of Chemistry*  
A.B., *Gettysburg College*; Ph.D., *Brown University*.  
1958-

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<sup>4</sup> On leave of absence, second semester 1959-1960.

**WILLIAM L. SANBORN, Assistant Professor of French**

A.B., Dickinson College; *Diplôme Supérieur de Civilisation Française*, *Doctorat D'Université de Paris*.  
1953-

**GUNNAR C. SANDNES, Assistant Professor of Biology**

B.S., College of the City of New York; M.S., University of Connecticut;  
Ph.D., Stanford University.  
1957-

**CAPT. EARL M. SCHMIDT, Assistant Professor of Air Science**

B.S., Arizona State University; M.B.A., Harvard University.  
1959-

**WALTER J. SCOTT, Assistant Professor of Physics**

A.B., Swarthmore College; M.S., Lehigh University.  
1959-

**JOHN D. SHAND, Assistant Professor of Psychology**

A.B., Amherst College; A.M., Harvard University; Ph.D., University of Chicago.  
1954-

**HOWARD G. SHOEMAKER, Assistant Professor of Health and Physical Education**

A.B., Gettysburg College; A.M., Columbia University.  
1957-

**CAPT. WELDA A. SMITH, Assistant Professor of Air Science**

B.S., Trinity University.  
1958-

**MAJOR WILLIAM N. STORMS, Assistant Professor of Air Science**

B.S., Georgetown University.  
1958-

**ROBERT H. TRONE, Assistant Professor of Bible**

A.B., Gettysburg College; B.D., Yale Divinity School.  
1956-

**CONWAY S. WILLIAMS, Assistant Professor of Economics**

A.B., Columbia University; M.S., Columbia School of Business.  
1949-

**<sup>4</sup> ESTHER CHASE WOOD, Assistant Professor of Psychology**

A.B., Pennsylvania State University; A.M., Columbia University.  
1957-

### Instructors

**PRABAKAR S. AKOLEKAR, Instructor in Economics**

A.M., University of Bombay; A.M., University of Virginia.  
1957-

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<sup>4</sup> On leave of absence, second semester 1959-1960.



JAMES W. ALEXANDER, *Instructor in History*

A.B., Dartmouth College; M.S., University of Wisconsin.  
1957-

<sup>2</sup> EDWARD J. BASKERVILLE, *Instructor in English*

B.S., Lehigh University; A.M., Columbia University.  
1956-

GARETH V. BISER, *Instructor in Health and Physical Education*

B.S., Gettysburg College; M.S., Syracuse University.  
1959-

ARTHUR B. BOENAU, *Instructor in Political Science*

A.B., Amherst College; A.M., Columbia University.  
1957-

MARIE BUDDÉ, *Instructor in Voice*

B.M., Curtis Institute of Music; Peabody Conservatory of Music.  
1958-

BRUCE W. BUGBEE, *Instructor in History*

A.B., College of William and Mary; A.M., University of Michigan.  
1958-

CAROLINE M. CAMERON, *Instructor in Spanish*

A.B., Wellesley College; A.M., Columbia University.  
1959-

JOHN B. CARPENTER, *Instructor in Health and Physical Education*

B.S., Pennsylvania State University.  
1958-

GLENDON F. COLLIER, *Instructor in German and Russian*

A.B., Franklin and Marshall College; A.M., University of California.  
1957-

CURTIS COULL, *Instructor in Health and Physical Education*

A.B., Gettysburg College.  
1958-

CHAN L. COULTER, *Instructor in Philosophy*

A.B., State University of Iowa; M.A., Harvard University.  
1958-

RICHARD A. DAVISON, *Instructor in English*

A.B., Middlebury College; A.M., University of Rochester.  
1958-

EUGENE A. DEARDORFF, *Instructor in Chemistry*

A.B., Gettysburg College.  
1959-

ROBERT M. GEMMILL, *Instructor in Economics*

A.B., Gettysburg College.  
1958-

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<sup>2</sup> On leave of absence, 1959-1960.

KARL F. HARSHBARGER, *Instructor in English and Coordinator of Dramatics*

A.B., *University of Oregon*; A.M., *The Johns Hopkins University*.  
1960-

DONALD HOMAN, *Instructor in Physics*

A.B., *Gettysburg College*.  
1958-

LOIS KADEL, *Instructor in Music, Christ Chapel Organist and Choir Director*

B.S., *West Chester State College*; M.S.M., *Union Theological Seminary*.  
1954-

NANCY J. KELLY, *Instructor in Health and Physical Education*

B.S., *Temple University*.  
1958-

ROBERT S. KNOX, *Instructor in Political Science*

A.B., *Harvard College*; A.M., *Georgetown University*.  
1959-

JAMES R. KRUM, *Instructor in Economics*

A.B., *Gettysburg College*; A.M., *Pennsylvania State University*.  
1959-

ILSE LANGERHANS, *Instructor in German*

*Graduate of Augusta Lycee*.  
1958-

JACK LOCHER, *Instructor in English*

A.M., *University of Chicago*.  
1957-

JOHN H. LOOSE, *Instructor in English*

A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary, Gettysburg*.  
1959-

NANCY K. MITCHELL, *Instructor in Health and Physical Education*

A.B., *Gettysburg College*.  
1958-

MAYNARD R. PLAYFOOT, *Instructor in Romance Languages*

A.B., A.M., *New York State College for Teachers*.  
1956-

JOHN RIDINGER, *Instructor in Physical Education*

B.S., *Gettysburg College*.  
1956-

AVERY SHEAFFER, *Instructor in Sociology*

B.S., *Ohio State University*; A.M., *American University*.  
1957-

MARY MARGARET STEWART, *Instructor in English*

A.B., *Monmouth College*; Ph.D., *Indiana University*.  
1959-

NELSON R. SULOUFF, *Instructor in Bible*

A.B., *Gettysburg College*; B.D., *Lutheran Theological Seminary, Gettysburg.*  
1958-

JANIS WEANER, *Instructor in Spanish*

A.B., *Mary Washington College of the University of Virginia*; A.M., *New York University.*  
1957-

SUE E. WIENHORST, *Instructor in English*

A.B., *Valparaiso University*; A.M., *University of Chicago.*  
1959-

### Assistant Instructors

SGT. KHLAR J. DAYE, *Assistant Instructor in Military Science and Tactics*

T/SGT. FRANK B. DAVIS, *Assistant Instructor in Air Science*

T/SGT. WILLIAM H. DENNINGTON, *Assistant Instructor in Air Science*

T/SGT. ROBERT D. JOHNSON, *Assistant Instructor in Air Science*

SFC ARMAND F. PROSPERI, *Assistant Instructor in Military Science and Tactics*

A/IC DOUGLAS W. SALO, *Assistant Instructor in Air Science*

M/SGT. GENE ST. CLAIR, *Assistant Instructor in Military Science and Tactics*

SFC JAMES T. TOMLIN, *Assistant Instructor in Military Science and Tactics*

M/SGT. SHELDON WAITE, *Assistant Instructor in Military Science and Tactics*

<sup>5</sup> M/SGT. JAMES A. WALKER, *Assistant Instructor in Air Science*

### Lecturers

SIDNEY B. AKOLEKAR, *English*

A.B., *University of Pennsylvania.*

ALFRED J. BASHORE, *Education*

B.S., *Kutztown State College.*

JACK R. CORBIN, *Physics*

B.S., *Millersville State College.*

HELEN H. DARRAH, *Biology*

B.S., M.S., *University of Pittsburgh.*

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<sup>5</sup> Retired from USAF, January 27, 1960.

LENA FORTENBAUGH, *German*

A.B., *Syracuse University*; A.M., *Gettysburg College*.

HOWARD W. MILLER, *English*

A.B., *Washington College*; A.M., *University of Maryland*.

DONALD Z. WAGNER, *Economics*

Senior Accountant, Philip M. Dunn Company, Certified Public Accountants.

FREDERICK WEISER, *Bible*

A.B., *Gettysburg College*.

### Private Instructors in Applied Music

TOINI K. HEIKKINEN, *Organ and Piano*

M.B., *Oberlin Conservatory*.

CLYDE MUMMERT, *Violin*

B.S., *Gettysburg College*.

J. HERBERT SPRINGER, *Organ and Piano*

Student of Tobias Matthay and of Frank Manheimer, London, England.

### Assistants

TROCELIA W. COULTER, *Biology*

A.B., *Drake University*; A.M., *State University of Iowa*.

ANNE M. HOMAN, *Biology*

A.B., *Gettysburg College*.

BARBARA WASHBURN, *Biology*

A.B., *Indiana University*.



# Faculty Committees

1959-1960

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*Advisory:* BREAM, GLENN, MARA.

*Academic Policy and Program:* SCHUBART, SHAFFER, MASON, WAGNILD,  
CRAPSTER, WEILAND, DUNN.

*Executive:* BLOOM, ZIEGLER, RICHARDSON, GLENN, GEYER, QUALLY,  
DUNN.

*Academic Standing:* DUNN, SHAINLINE, JONES, STOREK, BARNES, GLAT-  
FELTER, JOHNSON, OSTRANDER, ZAGARS.

*Admissions:* WOLFE, DUNN, B. PLATT, BLOSS, DAVISON, MARA, ROSEN-  
BERGER, WOLFINGER.

*Lecture and Concert:* SUNDERMEYER, DOUGLAS, SHAFFER.

*Library:* GEYER, AHRENS, DARRAH, JARVIS, SLOAT, MRS. SMOKE.

*Religious Activities:* LINDEMAN, BACHMAN, LOOSE, STOKES, TRONE,  
KORTE.

*Scholarships and Financial Aid:* ZIEGLER, WOLFE, SHAINLINE, HOFFMAN,  
BREAM, FREED, C. PLATT, MOORHEAD, WAGNILD.

*Student Affairs:* SHAINLINE, JONES, STOREK, ACKLEY, BEECHINOR, BOENAU,  
FRYLING, HAMMANN, MITCHELL, ROWLAND.

The name of the chairman of each committee is underlined.

The President of the College is an ex-officio member of all faculty committees.

# Gettysburg College: Past and Present

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In the simple and straightforward language of the charter by which it came into being in 1832, Gettysburg College exists "to exert a salutary influence in advancing the cause of liberal education." To this end the College seeks in all that it does to confront the young mind with the great ideas and ideals of Western Civilization as it tries to provoke that mind to creative thought. The faculty knows that, in spite of its eagerness to teach, the ultimate test of the College will be its success in providing situations in which young people are themselves inspired to learn. But thought is not always an end in itself. It should also be the mainspring of action. Thus the College seeks to provide the student with some of the basic skills necessary for a useful career in many fields, and to cultivate in him both a sense of social responsibility and a judgment which will result in a wise use of all his time.

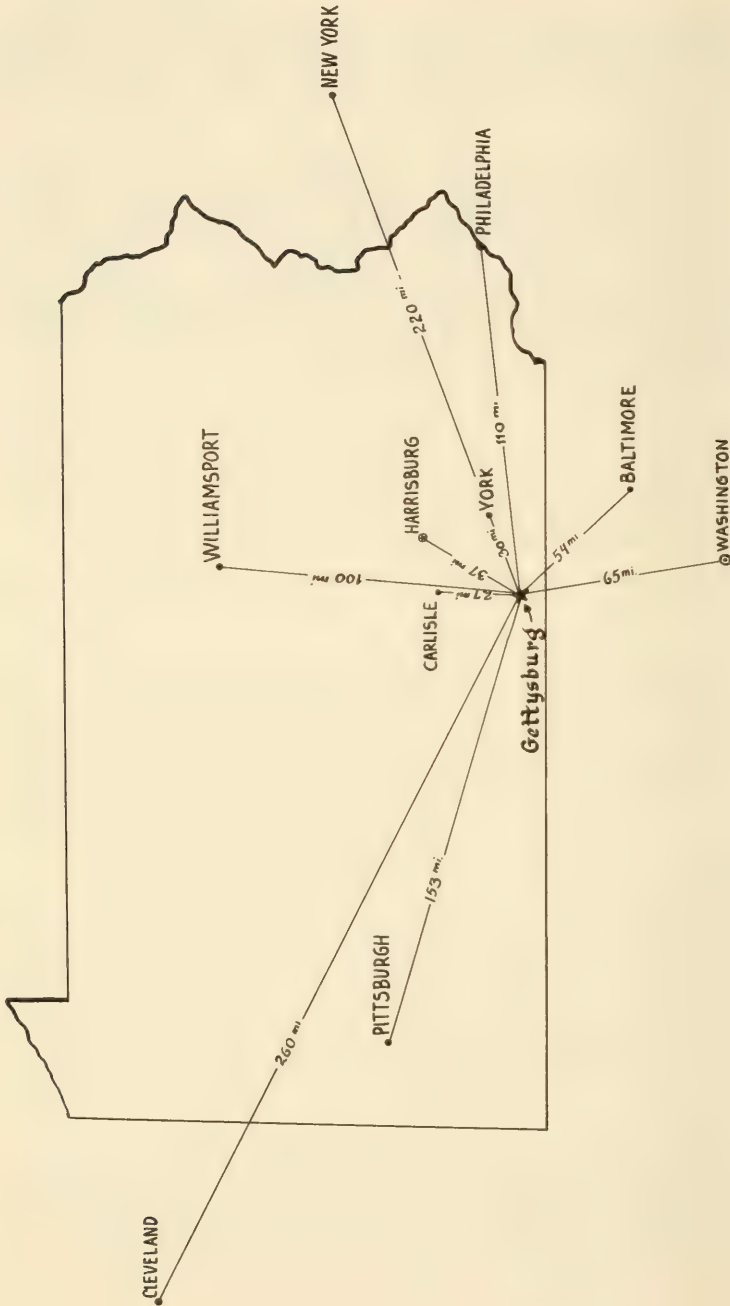
In the founding of Gettysburg, the first Lutheran college in America, the religious motive was especially strong. It remains a pronounced factor in its purposes today. During its long history as an independent, church-related institution, Gettysburg College has challenged the student to examine and recognize the merits of Christian principles as integrating forces in life.

In more than a century and a quarter of service to the church, the community, and the nation, Gettysburg College has grown in many ways. There were once 5 instructors; there are now more than 120. From an original enrollment of 23 the student body has increased to more than 1,500 young men and women. Instead of a campus on which Old Dorm is the only building, there is now one with more than thirty buildings. Old Dorm cost less than \$16,000 to build in 1837-1838. The physical equipment of the College is now valued at more than \$9,000,000.

Gettysburg College is on the accreditation lists of the Middle States Association of Colleges and Secondary Schools, the Board of Regents of the State of New York, and the Department of Public Instruction of the Commonwealth of Pennsylvania. The College has been approved

by the American Medical Association, the American Chemical Society, and the American Association of University Women. It is one of fourteen colleges and universities in Pennsylvania with a chapter of Phi Beta Kappa.

The test of a college, indeed of any institution, lies more in what it does than in what it says. Along with many colleagues elsewhere, the faculty and staff of Gettysburg College are at work in many different ways examining, criticizing, and reinterpreting higher education and the role which it should play in a free society. The College invites young men and women who are eager to learn to join with it in this high intellectual and spiritual adventure.



MAP SHOWING LOCATION OF GETTYSBURG

# Buildings and Facilities

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GLATFELTER HALL was erected in 1888-1889 and named in honor of P. H. Glatfelter of Spring Grove, Pennsylvania, a former trustee of the College. The building was extensively remodeled in 1929, and its capacity was enlarged after the Second World War by construction of an annex to the rear of the hall.

Glatfelter Hall contains the offices of the President of the College, the Personnel Deans, and the Registrar, in addition to offices of the Departments of Bible, Biology, Economics, Education, English, Greek, History, Latin, Mathematics, Philosophy, and Psychology. Glatfelter Hall is the major classroom building of the College, providing space for the above-mentioned departments and the Department of Military Science and Tactics.

The Biological Laboratories located in the hall are equipped with carefully selected materials and apparatus necessary for the elementary and advanced courses in the biological sciences. Also, special equipment is available for use by upperclassmen in the investigation of research projects. The reading room of the Biology Department is provided with current journals and essential reference works in the field.

The SCHMUCKER LIBRARY, opened for use in 1929 with a capacity of 100,000 volumes, now contains over 90,000 books, 400 currently received periodicals, a pamphlet file, and a growing collection of audio-visual aids. An Audio-Visual Department, under the direction of a professional assistant, was opened in the autumn of 1959 to serve as the audio-visual center of the campus. Classroom and other academic needs for phonograph records, slides, microfilms, microcards, motion pictures, and tape recordings are largely met by this department.

The open-shelf collection is arranged to bring faculty, students, and books into the best possible relationship. Reading areas that can accommodate 375 persons include the main general reference rooms, a browsing room, stack areas for faculty and advanced students doing independent work, seminar rooms, balconies, and a smoking foyer.



Valuable gifts through the years include such special items as the Jeremiah Zimmerman Collection of general literature, history, and biography; the C. C. Arensberg Collection of volumes on Napoleon; and the Henry Dravo Parkin Collection on the First World War.

The Civil War Collection of books and memorabilia is now housed in the newly established Civil War Institute located on West Stevens Street. Departmental libraries for Biology, Chemistry, and Physics are housed adjacent to the respective laboratories. Classroom collections of technical or highly specialized materials are available on a semester basis. A major addition to the library building will be constructed within the near future.

The BREIDENBAUGH SCIENCE HALL is currently occupied by the Departments of Chemistry and Physics. The Science Hall was completed in 1927 and underwent partial renovation in the summer of 1959. Two large lecture rooms with seating capacities of 100 and 200 are available for use by the large basic courses in the physical sciences and other departments, while three smaller classrooms satisfy the needs of the advanced science courses.

The Chemistry Department maintains separate laboratories for each undergraduate course, while several smaller laboratories provide ample space for special research problems that are investigated by senior students. Instruments such as ultraviolet and infrared spectrophotometers, a polarimeter, and a refractometer are utilized by the department in furthering the student's understanding of chemical processes.

The Physics Department operates laboratories suitably equipped with the modern apparatus necessary for the study of such courses as are offered by the department. Through a grant from the Atomic Energy Commission, which has provided a one Curie neutron source, the Department is able to conduct work in nuclear physics. A six-foot Paschen Mounting Grating Spectrometer mounted on concrete pillars is available for research in atomic spectroscopy. A machine shop provides services of use to the department.

The Physical Sciences Library is located in the Science Hall and was enlarged and completely refurnished in 1959. The Chemistry Department subscribes to numerous periodicals from various countries and supplies the important reference works and source books that are needed for instruction in all fields of Chemistry. The Physics Department is provided with books in all areas of the science, including clas-

sical works, all essential journals, and current references. Sufficient table space is available in the library to accommodate about twenty students with study areas at one time.

MCKNIGHT HALL was erected in 1898 and was named in honor of Harvey W. McKnight, fourth President of Gettysburg College. Before and after a major renovation of this building in 1949, McKnight Hall served as a dormitory for fifty male students. In the summer of 1959, the inside of the hall was completely remodeled for use as a language center, and McKnight Hall now contains the Departments of German and Romance Languages. The classrooms, seminar rooms, thirty-position language laboratory, and offices located in this building will provide excellent physical facilities for instruction in foreign languages.

BRUA HALL was erected in 1889-1890 and served for many years as the College Chapel. A memorial to the parents of the late Col. John P. Brua, the building was enlarged by the construction of an annex in 1951 through the generosity of the Woman's League of Gettysburg College. Again through the benevolence of the Woman's League, additional funds were made available which permitted reconstruction of Brua in 1958, and now it contains modern and well-equipped facilities for use by the Music Department.

An auditorium is available for lectures, concerts, and plays, while large practice rooms are used by the College Choir, Band, and Orchestra. A lounge and numerous individual vocalizing rooms are open for student use.

PENNSYLVANIA HALL (OLD DORM) is the most historic structure on the campus. It was built in 1837 and served a legion of purposes during the early years of the College. Old Dorm was used as a hospital during the battle of Gettysburg before resuming its function as a dormitory for men. Following major renovations in 1889 and again in 1925, it continued to serve the needs of the students and now contains Guidance Department offices and classrooms as well as dormitory rooms for some male students. Present plans call for the transformation of this famous building in the near future into a Civil War Museum and Administration Building.

The AIR SCIENCE BUILDING is the headquarters of the Department

of Air Science and provides classrooms, a lounge, and administrative facilities which are of use to the Department.

A PHYSICS LABORATORY will be constructed on the campus in 1960. This building will contain a 350-seat lecture hall suitable for use by all large undergraduate courses, as well as individual laboratories for all physics sections, two seminar rooms, one small classroom, offices, a departmental library, and a modern shop. Smaller laboratories will be available for students doing advanced study in physics.

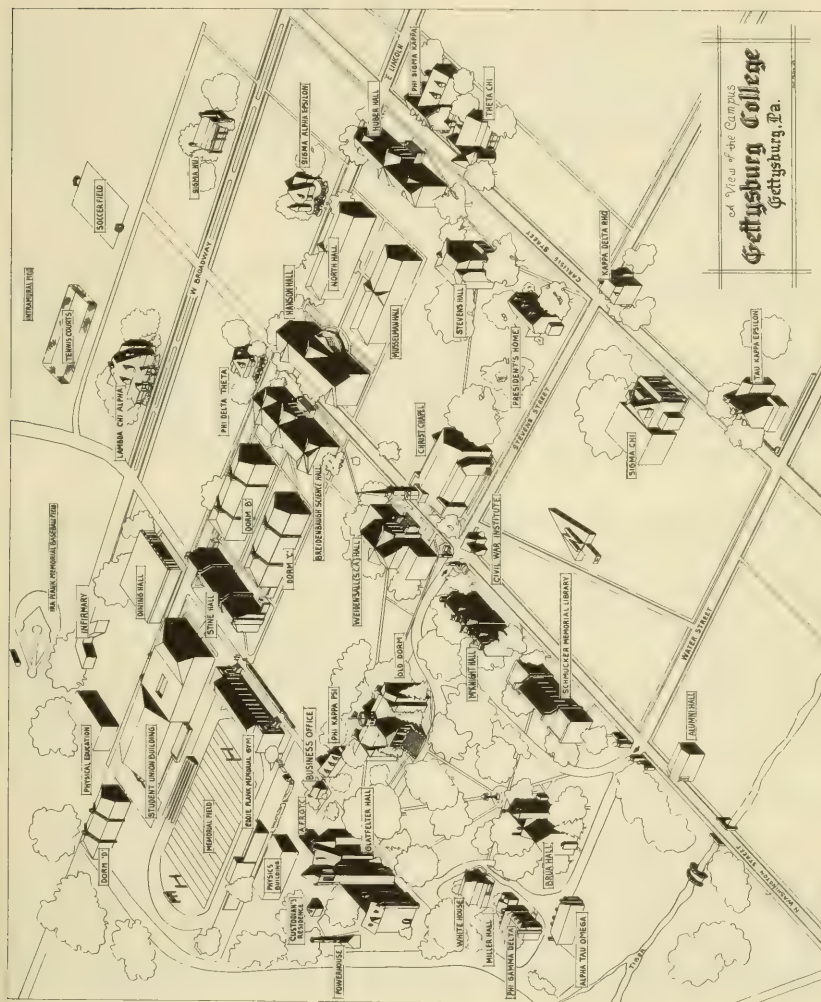
CHRIST CHAPEL is the center of religious life on the campus. Completed in 1953, it provides for the union of students and faculty members at chapel periods during the week and for special religious and secular services at intervals throughout the year. The Chapel constitutes a memorial to the devotion of the many friends of the College whose gifts made its erection possible.

Located in the basement of the Chapel are nine classrooms, an art studio, and the offices of the Departments of Fine Arts, German, and Sociology. The Chapel has a seating capacity of approximately 1,250, enabling about three-quarters of the student body to participate in spiritual or academic programs at one time.

The WHITE HOUSE, erected in 1860, is currently occupied by the Dean of the College, the Dean of Admissions, and by the offices of the Political Science Department. For many years the White House was the home of the President of the College.

ALUMNI HALL, the former Alpha Tau Omega fraternity home, houses the Office for Development, the Publicity Office, and the Alumni Office. These are located on the main floor and there are conference rooms on the second floor. Addressing and duplicating machines are maintained by these offices in a large workroom on the ground floor.

WEIDENSALL HALL, commonly known as the Student Christian Association Building, was constructed in 1923 with the generous support of the Woman's League and was named in honor of Robert Weidensall (1860), who was a pioneer in the work of the YMCA. After a fire gutted much of the interior in 1946, the hall was reconstructed and enlarged and now contains the offices of the Chaplain, SCA, Bursar,





and the Speech Department, in addition to a large auditorium, swimming pool, a student lounge, and browsing rooms.

THE GETTYSBURG COLLEGE CIVIL WAR INSTITUTE occupies a small building that was built in 1939. This structure served its former purpose as the College Book Store until the completion of the Student Union Building in 1959, when its activities were transferred to the latter center. The Institute houses the office of the College Historian, along with items of historic value pertaining to the College and the Civil War.

The PRESIDENT'S HOUSE is used as the on-campus residence of the President of the College.

The BUSINESS OFFICE is centrally located on the campus in a stone building that was formerly the Sigma Chi Fraternity home. The Business Manager and his Assistant and the Superintendent of Buildings and Grounds have their offices in this building.

HANSON HALL is a women's dormitory named in honor of President Emeritus and Mrs. Henry W. A. Hanson. This modern dormitory was opened in the fall of 1950 and has accommodations for 104 women. Hanson Hall forms the western portion of a quadrangle of women's dorms that is located at the northeast corner of the College campus. The Hall provides its residents with attractive living conditions. In addition to the dormitory rooms, five sorority rooms, two snack kitchens, and lounges contribute to the comfort of the women students. An apartment for the Head Resident is located on the first floor of the Hall.

HUBER HALL forms the eastern terminal of the quadrangle of women's dorms. Originally serving as a combination dining hall and dorm, recent remodeling has converted this building to its present sole function as a dormitory for women students. Two lounges are available for recreational purposes and an apartment is provided for the Head Resident.

The EMMA G. MUSSELMAN and NORTH DORMITORIES are located between Hanson and Huber Halls and form the sides of the women's dormitory quadrangle. These dorms, completed in 1958, accommodate 130 students each in comfort. Each unit has lounges and recreational



rooms as well as an apartment for the Head Resident. The dormitory rooms are furnished with built-in dressers and closets, thus providing ample living space.

STEVENS HALL, another dormitory for women, was built in 1868 and was recently refurnished by the Woman's League. Attractive accommodations are available for forty-eight women and a Head Resident. A large living room and a study room provide a homelike atmosphere.

STINE HALL, a three-story dormitory for men, was opened for occupancy at the beginning of the second semester of the 1955-1956 school year. This hall honors Dr. Charles M. A. Stine (1901), a former chairman of the Board of Trustees. This modern structure of non-flammable materials forms the western end of a quadrangle of buildings which includes men's dorms B and C and the Breidenbaugh Science Hall. Stine Hall provides double-room accommodations for 134 male students. Funds for the completion of the Hall were provided by alumni and friends through the efforts of the Office for Development.

Men's DORMITORIES B, C, and D have recently been completed and provide clean, comfortable, and spacious living room for many male students. Each dorm houses 128 men. Dorms B and C were completed in September, 1957, and form the sides of the quadrangle bounded by Stine Hall and the Breidenbaugh Science Hall. Dorm D is located west of the Student Union Building and was opened to students in the fall of 1959. Each of these dorms provides the students with attractive double rooms, a lounge, and tiled baths.

The INFIRMARY, a modern brick building now being constructed, will be placed in operation in the fall of 1960. The new infirmary will contain twelve double rooms for in-patients, a two-bed isolation room, a kitchen, and treatment, examination, and consultation rooms, plus a nurses' quarters. A staff of four nurses and a doctor provides twenty-four hour service during the school year for those students requiring medical attention.

The STUDENT UNION BUILDING was opened for use in December, 1959, and provides the undergraduates of Gettysburg College with an activity and recreational center. The "SUB" contains a ballroom with a seating capacity of 2,000 people, an olympic-size swimming

pool with complete locker facilities and spectators' stands, a student post office, the College Book Store, a large snack bar, the offices of *The Gettysburgian*, and the College radio station (WWGC).

Two spacious and tastefully decorated lounges, furnished through the generosity of the Woman's League, provide a place for relaxation, while numerous conference rooms are available for meetings or individual study. Other recreational facilities are offered by a six-lane bowling alley, a billiards room, and a motion picture projection booth. A barber shop located in the Student Union Building serves all male students.

The DINING HALL was completed in 1958, replacing the one formerly located in Huber Hall. It is an air-conditioned one-story brick building which can accommodate 750 people at one sitting. Breakfast and lunch are served cafeteria style at the Dining Hall, while family-type serving is in effect six nights each week.

The EDDIE PLANK MEMORIAL GYMNASIUM, which was built in 1927, presently serves as an armory, auditorium, and gymnasium. The lower floor is occupied by the rifle range and other facilities of the ROTC Department and locker rooms for athletic programs. On the main floor are located the gymnasium basketball court, a stage, and the offices of the Department of Physical Education. The Department of Military Science and Tactics occupies offices in a gallery. All varsity and intramural sports that require the use of the facilities of a gymnasium are conducted in this building.

A MEN'S PHYSICAL EDUCATION BUILDING will be constructed in the near future. This will enable the Eddie Plank Memorial Gymnasium to be devoted solely to the physical education needs of women students. The new Physical Education Building, expected to be completed within the next two years, will be used for varsity and freshman basketball, the physical education program of male students and intramural sports. Its facilities will include offices of the Department of Physical Education, a student locker room, stock rooms, a trainer's room, laundry, a wrestling room, and dressing rooms for home and visiting athletic squads. The gymnasium floor will hold three full-size basketball courts and will accommodate a bleacher crowd of 3,000 spectators for an athletic contest.

OSOGA LODGE is a rustic lodge maintained by the College in the South Mountains within easy driving distance of the campus. The lodge serves as a retreat for student and faculty groups which can enjoy the outdoor activities peculiar to a mountain vacationland.

MEMORIAL FIELD, lying west of the Eddie Plank Memorial Gymnasium, is a combination field for football and track.

IRA PLANK MEMORIAL BASEBALL FIELD, named in honor of the former Gettysburg College baseball coach, is situated northwest of the main campus. This field is devoted exclusively to intercollegiate baseball games.

An INTRAMURAL FIELD is located north of the main campus beyond Broadway, and contains four clay and four rubico composition tennis courts and soccer, lacrosse, softball, football, and hockey fields.

# Admission of Students

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Although Gettysburg College has expanded its facilities to provide a liberal education for an increased number of students, it believes that its purposes can best be achieved if it maintains its character as a relatively small church-related school. The stated requirements for admission are designed to enable the College to select students who will contribute to and benefit from such a College community.

## Requirements for Admission

The *Committee on Admissions* considers each applicant individually, using as its principles of selection the following:

1. Evidence of good character and acceptable social habits.
2. Evidence of academic attainment and ability, especially facility in the use of the English language and the understanding of fundamental mathematical processes.
3. Acceptable scores on the Scholastic Aptitude Tests of the College Entrance Examination Board.

The Committee relies upon the secondary school record, examination results, personal interviews, and recommendations from the school, alumni, and friends of the College for its basic information. While the College places greater emphasis upon the quality of the student's work in secondary schools than upon the exact distribution of the subjects taken, it makes the following general recommendations for the guidance of students looking toward college admission:

Graduation from and recommendation by an approved secondary school with completion of 16 Standard High School Units as follows:

<i>Required:</i>	YEARS
English .....	4
Elementary Algebra .....	1
Plane Geometry or Intermediate Algebra .....	1

<i>Recommended:</i> <sup>1</sup>	YEARS
Natural Science .....	2
History .....	2
Foreign Language .....	2

*Optional:*

Additional electives to fill the graduation requirement from Mathematics, Natural Science, History, Social Studies, and Foreign Language. Not more than three units in vocational or commercial subjects are acceptable.

Students in the Armed Forces may, in certain circumstances, earn entrance units through an educational training program in service, through United States Armed Forces Institute Courses, or through the General Educational Development Tests.

**Entrance Examinations**

Gettysburg College requires that all candidates for admission take the Scholastic Aptitude Tests (the Morning Program) of the College Entrance Examination Board. The College may require some candidates to take the Achievement Tests (the Afternoon Program) before considering them for admission, but in general recommends them for their value in freshman course selection and advance course placement.

Those who wish to be considered for early offers of acceptance should take the tests during their junior year, preferably in March or May, but tests taken in August or December following the junior year are satisfactory. Gettysburg College recommends that all applicants who take tests during the junior year have the scores forwarded to the College. Although the average students will improve their scores on the examinations taken during the senior year, about one-quarter make lower scores. Gettysburg College considers the *higher* of the scores both for admission and for recording on personnel records.

<sup>1</sup> In addition to the general recommendations for all prospective students, the following special ones should be noted:  
Students who plan to major in either Physics or Chemistry should, if possible, take the optional courses in Mathematics and Natural Science.  
Students who plan to major in a foreign language should have at least two years of preparation in each of two foreign languages.



High School principals and guidance counselors usually have complete information and application blanks for the tests of the College Entrance Examination Board. However, any student may receive direct information, application forms, and sample tests by writing to the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey, or Post Office Box 9896, Los Feliz Station, Los Angeles 27, California. These tests are available at widely distributed centers throughout the United States on the following dates: May 21, 1960; August 10, 1960; December 3, 1960; January 14, 1961; February 4, 1961; March 18, 1961; May 20, 1961; and August 9, 1961.

### **Application for Admission**

A student desiring to enter Gettysburg College from high school or preparatory school should secure an "Application for Admission" form from the Office of the Dean of Admissions. After the student has supplied the information called for on pages three and four of that form, he should ask the proper authorities of his school to complete pages one and two and forward it to the Admissions Office. Regulations governing admission of applicants who have attended another college are stated in the section "Admission with Advanced Standing."

A fee of \$10.00 must accompany the "Application for Admission." This fee is non-refundable and is used to defray, in part, the costs of processing the application. A student may present an "Application for Admission" at any time after the completion of the junior year in high school.

### **Offers of Acceptance**

#### *Early Offers*

Applicants with superior qualifications may be offered acceptance on the bases of the three-year secondary school record and the results of the Scholastic Aptitude Tests of the College Entrance Examination Board taken during the junior year, preferably in March or May. These early offers of acceptance are intended primarily for those applicants who have made a decision on their college. Those qualified students who do not wish to make a final decision on college until after March 1 of their senior year are advised to seek consideration under the regular acceptance plan. The early offer of acceptance is binding on the College only when the applicant makes a *non-refundable* advance payment to Gettysburg College.

### *Regular Offers*

Most of the offers of acceptance are announced about March 1, after the applicant has presented senior College Board scores and senior mid-year grades. The College reserves the right to cancel an offer of acceptance unless the candidate makes an advance payment of \$100.00 within fifteen days of the date of acceptance. The advance fee made to validate a regular offer of acceptance is refundable up to May 1 of the student's entering year.

### **Advance Payments**

No exceptions in the rules for refunds under either the *Early* or *Regular* Acceptance Plans can be made except through a previously made contractual agreement with the Dean of Admissions.

Of the advance payment, \$75.00 is credited to the first semester's bill. The remaining \$25.00 is held as a deposit against minor charges such as laboratory breakage. Any unused portion of this deposit returns to the student when he graduates or leaves school.

Successful applicants for the February or June terms may be refunded the \$100.00 advance fee, if they withdraw sixty or more days before the beginning of the term for which they are accepted.

### **Dormitory Room Reservation**

Dormitory room preference is given to students in the order of the receipt of the advance fee. Since there is some difference in the desirability of dormitory rooms, it is to the student's advantage to make the advance payment promptly. No room reservation can be made until the advance payment has been made.

### **Admission with Advance Payment**

Gettysburg College participates in the Advanced Placement Program of the College Entrance Examination Board. Advanced placement or credit may be granted to students who have performed satisfactorily in college level courses in secondary school and on the advanced placement examination.

The Advance Placement Examinations are administered in the spring at centers as announced by the College Entrance Examination Board.

Students who have completed approved accelerated programs may be considered for admission with advance placement upon the recommendation of the secondary school.

The College sometimes accepts for credit college-level United States Armed Forces Institute courses validated by examinations and accepts some service-school courses approved by *A Guide to the Evaluation of Educational Experiences in the Armed Forces*.

### Admission of Transfer Students

A student is eligible to transfer to Gettysburg College only if he is entitled to an honorable dismissal without social or academic probation from another college. A transfer student must present an official transcript from any or all colleges or universities attended, as well as the official "Application for Admission" form showing his high school record.

Transfer credits are granted for work done with a grade of C or better in approved colleges and universities if the courses taken fit the curriculum to be followed at Gettysburg. All academic credit for courses transferred is granted tentatively until the student has satisfactorily completed one year of work at Gettysburg College. All transfer students must meet the course requirements demanded of all members of the class into which they transfer.

A student admitted as a sophomore after one year of residence at another college must complete at least *ninety* academic hours to meet the requirements for graduation. In addition, he must meet the sophomore requirement in physical education or military science and all general requirements imposed upon other members of the sophomore class. A student admitted as a junior after two years of residence at another college must complete at least *sixty* academic hours at Gettysburg College to meet the requirements for graduation and meet all general requirements imposed upon other members of the junior class. A student, regardless of credit grants or years of residence at another college, must complete at least *thirty* semester hours at Gettysburg and one full year of attendance in order to receive a degree from Gettysburg College.

All transfer students entering as freshmen or first-semester sophomores are required to take General Education 101-102 and 201-202.

All transfer students entering as second-semester sophomores or first-semester juniors are required to take General Education 201-202.

No credit is granted for extension courses, correspondence courses, or courses in non-accredited institutions.

### **Admissions at the Beginning of the Second Semester**

Freshman and transfer students may be admitted at the beginning of the second semester. Methods and requirements for admittance are the same as for those students entering at the beginning of the regular academic year in September.

### **Admission to the Summer Session**

Students who are candidates for degrees at Gettysburg College are admitted to the Summer Session under the same methods and requirements as those which apply to students entering in September.

Students who are candidates for degrees from other colleges may enter the Summer Session upon the certification of the Dean of those institutions that the applicants are *bona fide* students in the institutions and that the courses taken at Gettysburg College will be transferred if they are passed with certifying grades.

Others applying for admission to the Summer Session *only* may be accepted upon presentation of official evidence of preparation to meet the regular admissions requirements. A special admissions form is available from the Admissions Office.



# College Expenses

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## Comprehensive Fee

Gettysburg College operates under the comprehensive fee plan for the regular school year. The student pays an all-inclusive fee which covers all academic expenses except books and private lessons in music. Under such a system every student and every parent will know well in advance the exact amount of each year's College expense.

The comprehensive fee allows a student to take from 10 to 18 credit hours each semester. Anyone pursuing studies which total more than 18 credit hours per semester must pay \$27.50 for each credit hour above the 18 hours allowed.

Comprehensive Fee ..... \$1,000.00<sup>1</sup>

## Board

College Dining Hall ..... \$448.00

## Room Rents

### Women's Dormitories

Cottages ..... \$200.00

Hanson Hall ..... 240.00

Huber Hall ..... 200.00

Musselman and North Halls ..... 250.00

Stevens Hall ..... 200.00

### Men's Dormitories

Pennsylvania Hall (Old Dorm) ..... 200.00

Stine, B, C, and D Halls ..... 240.00

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<sup>1</sup> This will be increased to \$1,100.00 on September 1, 1961.



**Total Yearly Expenses**

	1960-61	
	<i>Minimum</i>	<i>Liberal</i>
Comprehensive Fee .....	\$1,000.00 <sup>2</sup>	\$1,000.00 <sup>2</sup>
Board .....	448.00	448.00
Room (dormitory) .....	200.00	250.00
Books and Stationery (estimated) .....	100.00	150.00
<hr/>		
Estimated total cost for college year .....	\$1,748.00	\$1,848.00

The above tabulation does not include laundry and personal expenses, such as clothing, spending allowances, fraternity dues, and transportation.

**Part-Time Students**

Any student taking a program of less than 10 semester hours is considered a part-time student, and does not pay the comprehensive fee. The following rates apply for part-time students:

	1960-61	1961-62
Tuition (per semester hour) .....	\$30.00	\$32.50
Laboratory fee (per semester, each) .....	17.50	18.00
Library fee (per semester) .....	4.00	5.00
Registration fee (per semester) .....	5.00	5.00

**Payment of Bills**

All College bills are due and must be paid in full before registration each semester. Each student will be billed for one-half of the yearly comprehensive fee, room rent and board charge before the beginning of each semester. Checks should be made payable to Gettysburg College and sent to the Bursar, Gettysburg College, Gettysburg, Pennsylvania.

<sup>2</sup> This will be increased to \$1,100.00 on September 1, 1961.

The Veterans Administration will pay the comprehensive fee and cost of books and supplies within the legal limits for veterans attending College under the provisions of Public Laws 16 and 346. Gettysburg College has entered into a contract with the Veterans Administration whereby veterans attending College under the provisions of Public Law 550 (the Korean G.I. Bill) are eligible to receive monthly amounts from the Veterans Administration in accordance with the scale established by the law.

No student will be permitted to be graduated, or receive a transcript of record or statement of honorable dismissal until all financial obligations to the College and community have been met.

### **Insured Tuition Payment Plan**

The Insured Tuition Payment Plan of Boston is a combination of a prepayment installment plan covering four years of College expenses, and an insurance policy guaranteeing payment for completion of the four years in the event of the death or total disability of the person financing the student's education. It is available to all entering students through Mr. Richard C. Knight, 38 Newbury Street, Boston 16, Massachusetts. Parents may write directly to Mr. Knight for information and contract. The Dean of Admissions will mail a brochure of information to all new students on or before June 1 of each year.

### **The Tuition Plan, Incorporated**

Gettysburg College makes available to parents who find it necessary or more convenient to pay in monthly installments, a source of credit, The Tuition Plan, Inc., of One Park Avenue, New York 16, New York. This plan is a lending agency and should not be confused with the Insured Tuition Plan.

Through The Tuition Plan, Inc., contracts may be negotiated covering one, two, three, or four years' College expenses with payments spread over eight, twenty, thirty, or forty months respectively, with the multiple-year plan including the benefits of Parent Life Insurance. Information describing this plan will be mailed to all students during the summer months.

### **Board and Housing Accommodations**

All women students, except those living at home, and all entering freshmen are required to take their meals in the College Dining Hall.

Fraternity pledges are permitted to eat the evening meal and the noon meal on Sunday in their fraternity houses.

All women students, all freshman men, and, as long as there is space available, all sophomore men are required to live in College dormitories, exceptions being made only for married students and those students living at home. Sophomore and junior students permitted to live off campus are subject to recall to a College dormitory at the end of any semester.

The College provides a single bed, a mattress, a dresser, a study desk, and a chair for each student. Pillows, linens, blankets, study lamps, draperies, and other accessories must be furnished by the student. A reputable laundry provides linen rental and service. Pictures and other decorations may be suspended only from the picture rails.

### **Refunds**

No refunds of the comprehensive fee will be made after the first week of any semester except where a student has had to withdraw because of serious illness or call by Selective Service, in which case the fee will be refunded on a proportionate basis.

No refund of the board fee may be made unless authorized by the Business Manager.

Room charges are refundable only if a student leaves College because of serious illness, or call by Selective Service, or finds a replacement who is willing to assume the remaining charge.

### **Transcripts**

Each student is permitted one free transcript of his full record upon graduation or withdrawal from College. Anyone desiring more than one must send his request to the Registrar and enclose payment of \$1 for each additional transcript requested.

### **College Book Store**

The Book Store in the Student Union Building is operated by the College for the convenience of the students. Since it is operated on a cash basis, all students should be provided with \$50 to \$75 in cash each semester to purchase the necessary books and supplies.

# Scholarships and Financial Aid

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In granting financial aid to students, the faculty Committee on Scholarships and Financial Aid is governed primarily by character, need for assistance, and academic ability. Because the fundamental purpose of granting aid is to assist worthy students who otherwise could not attend college except by undue sacrifice on the part of the parents, the principal emphasis in a grant is on the need of the applicant.

Some preference is given where two or more children from the same family are attending Gettysburg College simultaneously. Upon application, the children of ULCA clergymen may be granted a discount in tuition.

Gettysburg College uses the scholarship services of the College Entrance Examination Board. All new applicants for aid should secure a College Scholarship Service form from any College Board college. The Board forwards the financial information to the schools to which the applicant is applying for a grant-in-aid.

All new students who seek aid should present applications at an early date. Students who have had a previous grant should secure a renewal blank from the office of the Dean of Students and return it before April 1.

## Conditions of a Grant-in-Aid

1. Grants are awarded for one year at a time. Ordinarily they are renewable upon application if the original conditions continue.
2. Financial aid is never granted to a student for more than eight semesters. There are no grants available during a Summer Session.
3. Generally, no aid is granted to married students. If a student receiving aid is married while in college, aid is terminated at the end of the semester in which the marriage occurs.
4. A student receiving financial aid may not own an automobile



and may not operate or maintain an automobile in the college community.

5. A student placed on disciplinary probation, convicted of an Honor Code violation, or guilty of violating the rule governing automobiles, loses his aid immediately. He will be eligible to apply for reinstatement of his aid the next semester.

6. A student suspended from the College for disciplinary reasons, Honor Code violation, or poor scholarship will not be eligible, upon his return, to receive aid for a period of one semester.

7. A freshman who is placed on academic probation for two successive semesters is deprived of his aid. Other students placed on academic probation lose their aid immediately. Students may apply for reinstatement of aid when they are removed from probation.

8. Financial aid may be awarded in varying amounts, but in no case does a free grant exceed \$800 or the combination of free grant and loan exceed \$1,000.

9. All grants are applied as a credit on the College bill.

### **Types of College Aid**

The following types of financial aid are available to students. All of them are granted by the Committee on Scholarships and Financial Aid under the conditions explained in the preceding section.

1. *College Loans.* College loans are interest free until the student has been out of the College for one month, after which interest is charged on the remaining indebtedness at the rate of 3 per cent per year. The interest and principal shall be paid in not more than six annual payments, beginning one year after the student leaves the College. Interest charges and payments on the principal may be deferred for those attending graduate school. After a loan has been granted, the College Business Manager is in charge of administering all financial details.

2. *Government Loans under the National Defense Education Act of 1958.* To be eligible for these loans, students must be United States nationals with superior academic backgrounds. Preference is given to students who are preparing to teach in elementary or secondary schools or who show a superior capacity in science, mathematics, or



a modern foreign language. The maximum amount of a loan in any one year is \$1,000, and the total available to any student for undergraduate and graduate study is \$5,000.

Interest at the rate of 3 per cent per year is charged on any unpaid balance, beginning one year after the borrower ceases to be a full-time student. Repayment of the principal and accrued interest shall be made within a period not to exceed ten years. Any borrower who serves as a full-time teacher in the public schools may have 10 per cent of the loan cancelled for each year of such service until the total cancellation amounts to 50 per cent of the loan.

After a loan has been granted, the College Business Manager is in charge of administering all financial details.

3. *Free Grants-in-aid.* Each year the College reserves a certain amount of money to assist worthy students. New students should apply for these grants, since rarely can they meet the special conditions of the Endowed Scholarships.

4. *Competitive Honor Scholarships.* The College grants awards to six men and three women students, who are designated Competitive Honor Scholars. Honor Scholars are selected on the bases of their secondary school record, with emphasis on academic achievement, strong moral character, and contribution to the high school community program, and the Scholastic Aptitude Test results of the College Entrance Examination Board. To be considered for these awards the student must take the Scholastic Aptitude Tests no later than February.

Based primarily upon the financial needs of the recipient, the award ranges from \$100 to \$800 annually. In order to receive more than the \$100 annual grant, the Honor Scholar must establish financial need by presenting the scholarship form of the College Scholarship Service.

5. *Endowed Scholarships.* Funds have been provided for the award of scholarships under the conditions specified in the grants described in the next section.

### Endowed Scholarships

*Frank D. Baker Scholarship:* The sum of \$300 is available annually to aid students in immediate need of financial assistance. This fund is administered by the President of the College.

7 *Dr. Joseph B. Baker (1901) and Rena L. Baker Scholarship:* The in-

come from \$2,500 donated by the Woman's League of Gettysburg College is given each year to a needy and deserving student in the Music Department to provide for special lessons in that department.

*Dr. Ray Alfred Barnard (1915) Scholarship:* The income from \$1,750 is given each year to a male student who is preparing for the Lutheran ministry, and who is a member of the Central Pennsylvania Synod of the ULCA.

*The Rev. Sydney E. Bateman (1887) Scholarship:* The income from \$500 is awarded each year to a needy student preparing for the ministry.

*The Belt-Hess-Quay Scholarship:* The income from \$9,250, established in commemoration of Charles W. Hess (1898), J. Hess Belt (1930), Margaret S. Belt, Paul W. Quay (1915), and Effie E. Hess Belt (1898), is awarded as follows: first preference is given to a member of Grace Lutheran Church, Westminster, Maryland; second preference to any other resident of Carroll County, Maryland, who is pursuing theological studies at the College; and third preference is given to any deserving student.

*Jesse E. Benner (1907) and Minerva B. Benner Scholarship:* The income from \$10,000 is used to aid worthy students in financial need, preferably, but not necessarily, those studying for the ministry.

*The Burton F. Blough Scholarship:* The income from \$5,000, contributed by a former trustee, is used to aid needy and deserving students.

*Cambridge Rubber Foundation Scholarship:* Funds made available by the Cambridge Rubber Foundation, Inc., provide \$200 per year to be granted to one or two entering freshmen. In rare instances this sum may be granted to an upperclassman if, in the opinion of the committee, he is better qualified and more deserving.

*Class of 1913 Scholarship:* The income from \$6,800 is given each year to a needy and deserving student.

*Class of 1916 Scholarship:* The income from \$1,067 is given to a needy and deserving sophomore.

*Class of 1918 Scholarship:* The income from \$12,891 is available each year for a needy and deserving student or students.

*Jacob C. Eisenhart and Rosa Bott Eisenhart Scholarship:* The income from \$6,500, established by the J. C. Eisenhart Wall Paper Company, is available each year for deserving students preparing to become Lutheran missionaries or planning to attend a Lutheran seminary.

*Clarence A. Eyler (1880) and Myrtle B. Eyler Scholarship:* The income from \$5,000 is given each year to a deserving student.

*The Margaret E. Fisher Memorial Scholarship:* The income from \$8,600, contributed by Dr. Nelson F. Fisher (1918) in memory of his mother, is awarded to a student who excels in one or more major sports and who achieves the highest academic average among winners of varsity letters.

*Dr. Daniel F. Garland (1888) Scholarship:* The income from \$500 is given each year to deserving students preparing for the Lutheran ministry.

*Hon. Hiram H. Keller (1901) Scholarship:* The income from \$15,000, bequeathed by Mr. Keller, a former trustee, is granted to a student on the basis of need and academic qualification. Preference is given to applicants from Bucks County, Pennsylvania.

*The Rev. George N. Lauffer (1899) and M. Naomi Lauffer (1898) Scholarship:* The income from \$4,000 is given each year to a junior who has maintained high scholarship and evidences outstanding ability and Christian character. It is understood that the recipient will complete the senior year at Gettysburg College.

*Lutheran Brotherhood Scholarships:* Three scholarships of \$300 each, established by the Lutheran Brotherhood Life Insurance Society, are awarded to juniors who are Lutherans and who qualify by reason of religious leadership, academic ability, and other characteristics.

*Charles B. McCollough, Jr., (1946) Memorial Scholarships:* The income from \$17,143, provided by Charles B. McCollough (1916) and Florence McCollough in memory of their son and by H. B. Earhart in memory of his grand nephew, is awarded annually to two men and two women students on the basis of character, need, and ability.

*Dr. John E. Meisenhelder (1897) Scholarship:* The income from \$7,785 is awarded annually to a deserving student.

41. *J. Elsie Miller Scholarship*: The income from \$5,000 is available each year for deserving students preparing for the Lutheran ministry.
42. *Miller-Dewey Scholarship*: The income from \$10,000, contributed by the Rev. Adam B. Miller (1873), is available to deserving students, first preference being given to graduates of the Tressler Lutheran Home for Children.
43. *C. H. Musselman Company Scholarship*: A grant of \$1,000 per year for four years made possible by The Musselman Foundation, is available to a qualified student. If more than one applicant meets the general qualifications, preference is given to the applicant if any who has selected (or signifies an intention of selecting) chemistry or business administration as the major course of study.
44. *Nellie Oller and Bernard Oller Memorial Scholarship*: The income from \$5,000, given by Ida R. Gray, is awarded each year to a deserving student, preference being given to students from Waynesboro, Pennsylvania.
45. *Lovina Openlander Scholarship*: The income from \$3,000 is given in the amount of \$50 each to students in need of financial assistance to continue their college work.
46. *Presser Foundation Scholarship*: The sum of \$400 is awarded annually to one or more students in the Department of Music who, in the opinion of the Music staff, show superior promise in the field of Music, preference being given to those intending to major in Music Education.
47. *Edgar Fahs Smith (1874) Memorial Scholarship*: The income from a fund established by Margie A. Smith will be used to assist deserving students specializing in chemistry. Under the terms of the bequest, this scholarship is being held in abeyance to allow the principal to grow.
48. *The Rev. Milton H. Stine (1877) and Mary J. Stine Memorial Scholarships*: Three \$100 scholarships, made possible by Dr. Charles M. A. Stine (1901) in memory of his parents, are awarded each year to students preparing for the Christian ministry.
49. *Rufus B. Weaver (1862) Scholarship*: The income from approximately \$20,000, given by Mrs. Rufus B. Weaver, is awarded to deserving students.



*Weaver-Bittinger Classical Scholarship*: Part of the income from a fund established by Rufus M. Weaver (1907) is available to students who maintain an above-average standing in Latin or Greek; German, French, Spanish, or Italian; and in the science courses. This scholarship will be awarded under conditions specified by the donor.

*Senator George L. Wellington Scholarship*: The income from \$5,000 is awarded each year to a deserving student.

*The Annie C. Winter Memorial Scholarship*: The income from \$3,000, contributed by Amelia C. Winter in memory of her mother, is given each year to a needy and deserving student.

*York-Shipley Scholarship*: The sum of \$575 each year for four years, made possible by York-Shipley, Inc., York, Pennsylvania, is awarded to an outstanding male student, preferably from York County, who plans to major in business administration. The criteria for the award are academic achievement and citizenship.

### Other Aid for Students

Loans are available to members of the senior class from the *Alumni Loan Scholarship Fund*, established by the Alumni Council and augmented by individual contributions. Applicants need at least one approved endorser of their note. The loan is interest free until one year after the borrower's class has been graduated, after which the loan bears interest at the rate of 6 per cent per year.

The Daughters of Union Veterans of the Civil War has established a *Grand Army of the Republic Living Memorial Scholarship Fund* of \$2,500, from which loans may be obtained.

Mr. and Mrs. C. J. Kirschner have established *The Alvan Ray Kirschner Scholarship Fund*, in memory of their son who lost his life in World War I. The income from \$10,000 is awarded to two students, preference being given to applicants from Hazleton and vicinity. Application for these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pennsylvania.

The St. James Lutheran Church of Stewart Manor, Long Island, has established *The Rev. Edward I. Morecraft (1924) Memorial Loan Scholarship Fund*, in memory of its late pastor. Amounting to \$1,000,



this fund is used to assist worthy students under the same conditions as the Alumni Loan Scholarship Fund.

The income from \$5,000 given to the College by the *Parent Education Society of the Evangelical Lutheran Church in the United States* provides ten scholarship loans each year in the amount of \$20 each. These loans may be granted to one or more persons selected by the President of the College and the President of the Lutheran Theological Seminary, Gettysburg. The persons selected must be *bona fide* students for the ministry and meet all the requirements for scholarship recipients. The loan will be cancelled if the recipient serves two continuous years in the ministry.

Dr. E. Lloyd Rothfuss (1916) has contributed \$6,000 as the *Charles H. Rothfuss and Martha Huffman Rothfuss Loan Scholarship Fund*, in memory of his parents. This fund is administered under the same terms as the Alumni Loan Scholarship Fund.

The Synod of West Virginia of the United Lutheran Church in America has made available two *Synod of West Virginia Scholarships* of \$500 each to entering freshmen who are active members of congregations of the synod and who have stood in the upper third of their high school class. Applications for these scholarships should be sent to the chairman of the synodical committee which awards them: the Rev. John Heller, Chairman, Christian Education and Youth Work Committee, 834 Greenbrier Street, St. Albans, W. Va.

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The College is prepared to grant work opportunities to a limited number of deserving students. A work opportunity is a guarantee that there will be available enough work on the campus for the recipient to earn a sum equal to the amount promised. Upperclassmen seeking employment should apply to the Dean of Students. In addition, two or three students may earn substantial sums collecting and distributing room linens serviced by the Gordon-Davis Linen Supply Company. These students are selected by the Committee on Scholarships and Financial Aid.

Each year some students take part-time work in the community. The College assists some students in work placement, but takes no direct responsibility in the matter.

Students enrolled in the *Reserve Officers' Training Corps Program* receive monetary commutation in lieu of rations at the rate of ninety cents per day from the date of their enrollment in the Advanced Course until their graduation, except during the summer training period, when they receive regular basic pay. Basic Course cadets are loaned uniforms by the College or the Government. Advanced cadets are given tailor-made uniforms which they retain upon graduation and commissioning. Total remuneration during the Advanced Course, including the value of the uniform, is approximately \$700.

# Curriculum

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Gettysburg College believes that all students should have a broad liberal education. To attain that end the College requires certain specific courses in the freshman and sophomore years and makes a general requirement for distribution and concentration of subject matter to be completed before graduation. See pages 60-61.

Because of this dominantly liberal purpose, most students earn the degree of Bachelor of Arts, regardless of their field of major or specialized study. Majors in Music Education and some majors in Health and Physical Education qualify for the degree of Bachelor of Science. See pages 63-64.

Each department has worked out suggested curricula to assist students in selecting courses to meet certain objectives. Beyond the above-mentioned requirements and suggestions, each individual has complete freedom to select those courses which he feels will give him the best possible education.

## Advisers

When a student registers as a freshman, he is assigned to a Faculty Adviser with whom he should consult regarding all academic matters and from whom each semester he must secure approval of his study list. Before the spring registration in his freshman year, he is expected to choose his major field of study. The head of the department in his major subject will then become his adviser, and throughout the remainder of his college course the student will consult with him and secure his approval of his study list.

If, at the time of the spring registration, a student has not yet chosen his major field of study, or has not attained a scholastic average that would justify his acceptance as a major in the department of his choice, he may select as his temporary adviser the head of the department in which he would like to major. If his work in the department later improves, he may then be accepted as a major.

All students who intend to do graduate work should communicate this fact as early as possible to the heads of the departments in which they are majoring in order that they may be sure of meeting all the requirements for graduate study.

### Courses and Credits

The amount of credit given for each course is specified in terms of *semester hours*. A *semester hour* of college work consists of one hour a week of lectures or classwork, or two or three hours of laboratory work (or laboratory work combined with classwork) a week for one semester. The normal assumption is that the student will do at least two hours of study in preparation for each hour of classwork.

No credit for one semester of a year's course may be granted except by written departmental approval which is to be filed with the office of the Registrar.

### Schedule Limitations

The usual schedule is 15 or 16 semester hours, in addition to basic ROTC or Physical Education. With the permission of his faculty adviser a student, during his freshman or sophomore years, may carry 12 to 16 semester hours, in addition to basic ROTC or Physical Education. During his junior or senior year he may carry, with the permission of his major adviser, from 12 to 18 semester hours. Semester schedules of more than 18 hours will be permitted only with the special approval of the Dean.

### Requirements for the Degree of Bachelor of Arts

The degree of Bachelor of Arts may be conferred upon the student who completes 128 semester hours of work.

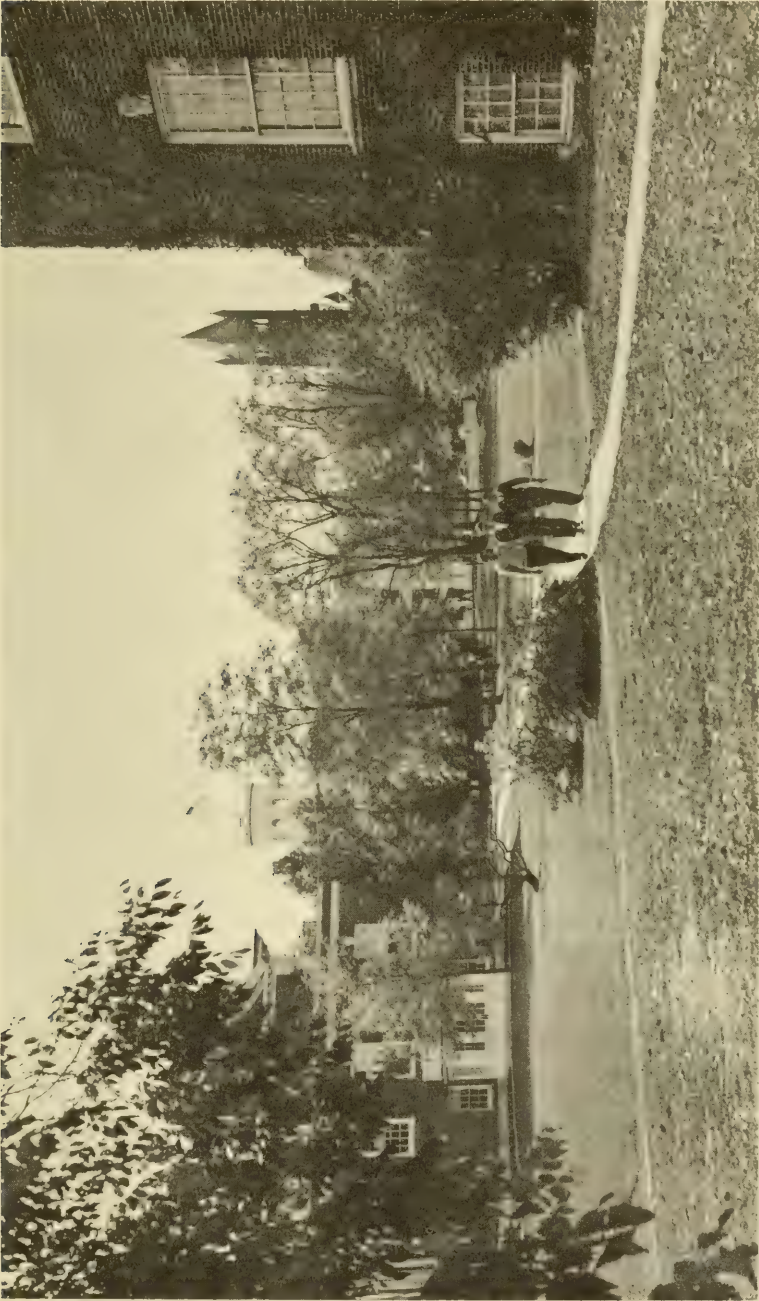
Additional hours may be required for individual students according to rules established by the Faculty. In addition to the hours required, students must earn at least as many quality points<sup>1</sup> as there are hours required for their graduation. No student may be graduated with a quality-point average of less than 1.00 in his major subject.

A student registered at Gettysburg College will not obtain credit for courses taken in other colleges during the summer unless such courses have first been approved by the head of the department concerned.

All candidates for the degree of Bachelor of Arts must complete courses necessary to meet the distribution and concentration requirements listed below. All candidates for the bachelor's degree must also pass a comprehensive examination in their major field of study. See page 61.

<sup>1</sup> See "Grading System," pages 71-72.





*Campus Scene*

### Distribution Requirements for All Students

<i>Subjects</i>	<i>Semester Hours</i>
English 101-102 .....	6
Bible 101; 102 .....	6
General Education 101-102 .....	6
General Education 201-202 .....	6
Military Science or Air Science or Physical Education— 2 semester hours per semester for two years .....	8
Foreign Language 6 semester hours above the 101-102 course in one, or if the student enters without the equivalent of the 101-102 course, then 12 semester hours .....	6-12
Philosophy, Pol. Sci. and Econ., History, Psychology, So- ciology 6 semester hours in one .....	6
Literature <sup>1</sup> 6 semester hours in one .....	6
Science: Biology, Chemistry, Physics 1 full year course in one .....	8
Second science or mathematics or a second language above the 101-102 course 1 full year course in one; if the student elects a second language without the equivalent of the 101-102 course, then 12 semester hours .....	6-12
Appreciation courses in two departments <sup>2</sup> .....	4
Senior Comprehensive Examination .....	---
Average total for distribution .....	68-80

<sup>1</sup> Refer to the introductions of the English, German, Greek, Latin and Romance Languages Departments under *Courses of Instruction* for the listing of literature courses.

<sup>2</sup> Refer to the introductions of the Art and Music Departments under *Courses of Instruction* for the listing of appreciation courses.

### Concentration Requirements for All Students

24 semester hours above 101-102 courses in a major.

12 semester hours above 101-102 courses in a minor.<sup>1</sup>

As early as possible each student should select his major subject. In addition, he should select with the approval of his major adviser a minor subject in an area related to his major field of study.

With the permission of the major adviser, a second major or minor may be selected no later than the beginning of the senior year, the approval of the head of the second department having been received. A second major may be entered on College records if all requirements of both departments, including comprehensive examination requirements, are met.

### Comprehensive Examinations

Every candidate for the bachelor's degree is required to pass a comprehensive examination in his major field of study.

This comprehensive examination is intended to test the depth of the student's knowledge of the subject matter in his major field; to determine his abilities to assimilate, to analyze, and to apply the leading ideas developed in this subject; and to serve as a challenge, throughout his college course, to integrate the entire work of his chosen field of study. The comprehensive examinations are graded "passed," "passed with honors," or "passed with highest honors," and these grades are placed on the student's permanent record.

The comprehensive examinations consist of two three-hour written examinations plus either a third three-hour written examination or an oral examination, as determined by the department. The examinations are scheduled as follows:

1. For February graduates, during the first week following the Christmas vacation.
2. For June and August graduates, during the first week of May.

The exact dates of the examination are published in the calendar of this catalogue.

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<sup>1</sup> This is interpreted to mean two year courses or the equivalent if the minor is in a laboratory science. Courses in the Departments of Art and Education may be counted for a minor but are not accepted for a major.

### Requirements for Teacher Certification

In addition to qualification for the degree of Bachelor of Arts, the student may qualify for certification to teach in secondary schools by completing the requirements described on pages 107-108. For certification requirements in Health and Physical Education and Music Education see pages 63-64.

### Requirements for Military Commission

A student who has successfully completed the advanced courses in Air Science or Military Science may qualify for a reserve commission in the Air Force or the Army in the rank of Second Lieutenant. For a detailed description of opportunities and requirements for commissions, see pages 141-143.

#### Required Freshman Program

<i>Subjects</i>	<i>Semester Hours</i>
General Education 101-102 .....	6
English 101-102 .....	6
Bible 101, 102 .....	6
Language <sup>1</sup> .....	6
Mathematics, a Science, or a second language .....	6- 8
Military Science or Air Science or Physical Education .....	4
<b>Total</b> .....	<b>34-36</b>

#### Required Sophomore Program

<i>Subjects</i>	<i>Semester Hours</i>
General Education 201-202 .....	6
Military Science or Air Science or Physical Education .....	4
At least two courses selected from the following: Language, Mathematics, Science, or second Language .....	12-16
Two electives with at least one from the following: History, Philosophy, Political Science, Psychology, Sociology .....	12
<b>Total</b> .....	<b>34-38</b>

<sup>1</sup> Science and mathematics majors may postpone language to take both a science and mathematics.



Education courses for those who plan to teach should be included in electives.

The sophomore course in the student's major must be included in the required subjects or in the electives.

**Junior and Senior Program**

All required courses listed in the freshman and sophomore programs which have not been completed by the end of the sophomore year must be included in the junior program. It is recommended, in the interest of a well-balanced education, that the junior program contain at least two courses each semester outside the field in which the student's major falls, and that the senior program contain at least one course each semester outside the field in which the student's major falls.

Transfer students accepted as upperclassmen are subject to the same requirements as are all other students. When similar courses accepted as transfer credit can be used as substitutes for the required courses, the Dean of Admissions will notify both the students and their advisers of the official advance credit evaluation.

**Requirements for the Degree of Bachelor of Science  
in Health and Physical Education**

For those who wish to meet all the requirements of teacher certification in Health and Physical Education, the following curriculum leading to the degree of Bachelor of Science in Health and Physical Education is available. Students completing this curriculum may be certified to teach both Health and Physical Education, and General Science.

Freshman Year		Hrs.	Sophomore Year		Hrs.
Bible 102 .....	3		Bible 101 .....	3	
English 101-102 .....	6		Biology, Chemistry, or Physics <sup>1</sup> .....	8	
General Education 101-102 .....	6		Education 309 .....	3	
Biology, Chemistry, or Physics <sup>1</sup> ..	8		Psychology 201 .....	3	
Military Science or Air Science ..	4		Speech 201 .....	2	
Physical Education 101, 102, 111 <sup>2</sup> ..	7		Military Science or Air Science ..	4	
			Physical Education 201, 202, 212, 305 <sup>2</sup> .....	9	
			Elective .....	3	
Total .....		34	Total .....		35

<sup>1</sup> Biology required either year.

<sup>2</sup> Women students take Physical Education 103, 104, 203, and 204 instead of 101, 102, 201, and 202.

Junior Year	Hrs.	Senior Year	Hrs.
Education 301, 305 .....	6	Education 337, 401 .....	9
Military Science or Air Science ..	6	Military Science or Air Science ..	6
Physical Education 301, 302, 311 314, 317, 332 .....	16	Physical Education 303, 304, 318, 325, 329 .....	11
Electives .....	6	Elective .....	2
Total .....	34	Total .....	28

All students in this curriculum must complete 131 hours to meet graduation requirements. Those students who do not take Military or Air Science are strongly advised to complete the Health and Physical Education curriculum leading to the degree of Bachelor of Arts.

The Senior Comprehensive Examinations are required.

### Requirements for the Degree of Bachelor of Science in Music Education

The following curriculum is offered as a guide to those who wish to meet the requirements necessary to teach or supervise music in the elementary or secondary schools. Upon completion of this course of study a student will be granted a Bachelor of Science degree in Music Education. He will also be qualified to receive a Pennsylvania Provisional College Certificate to be issued by the State Department of Public Instruction.

Freshman Year	Hrs.	Sophomore Year	Hrs.
Bible .....	6	Literary Foundations .....	6
English .....	6	Foreign Language .....	6
Science .....	8	Harmony .....	6
Physical Education .....	3	Physical Education .....	1
Sight Singing .....	4	Education 309 .....	3
Instrumental Class .....	2	Instrumental Class .....	2
Applied Music .....	4	Applied Music .....	4
Music Appreciation .....	2	Elective .....	6
Total .....	35	Total .....	34
Junior Year	Hrs.	Senior Year	Hrs.
History of Music .....	6	Orchestration .....	3
Advanced Harmony .....	6	United States History .....	3
Foreign Language .....	6	High School Methods .....	3
Elementary Methods .....	3	Education 301 .....	3
Conducting .....	4	Speech .....	2
Applied Music .....	4	Student Teaching .....	12
Electives .....	6		
Total .....	35	Total .....	26

### Cooperative Forestry Program

Gettysburg College offers a program in forestry in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Arts degree from Gettysburg College and the professional degree of Master of Forestry from the Duke School of Forestry.

A student who elects to pursue this curriculum spends the first three years in attendance at Gettysburg College. Here he obtains a sound education in the humanities and other liberal arts in addition to the sciences basic to forestry. Such an education does more than prepare a student for his later professional training; it offers him an opportunity to develop friendship with students in many fields, expand his interests, broaden his perspective, and fully develop his potentialities.

The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry. Since Duke University offers forestry courses only to senior and graduate students, the student from Gettysburg College will find himself associating with a mature student body. He will be well prepared for further personal and professional development.

Candidates for the forestry program should indicate to the Dean of Admissions of Gettysburg College that they wish to apply for the Liberal Arts-Forestry Curriculum. Admission to the College is granted under the same conditions as for other curricula. At the end of the first semester of the third year the College will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his academic record at Gettysburg. No application need be made to the School of Forestry before that time.

There is no fixed major or rigid curriculum requirement for the three years at Gettysburg. However, the College recommends that students in the Forestry program come under the advisement of the Biology Department and use the following as a guide:

### Pre-Forestry Curriculum at Gettysburg College

First Year	Hrs.	Second Year	Hrs.
English 101-102 .....	6	General Education 201-202 .....	6
General Education 101-102 .....	6	General Chemistry 201-202 .....	8
Biology 103 .....	4	Foreign Language .....	6
Biology 104 .....	4	Economics 201, 202 .....	6
Mathematics 103-104 .....	6	Electives .....	6
Bible 101, 102 .....	6	Physical Education or ROTC .....	4
Physical Education or ROTC .....	4		
Total .....	36	Total .....	36

Third Year	Hrs.
Foreign Language or English Literature .....	6
General Physics 111-112 .....	8
Appreciation Courses .....	4
Biology 301 or 302 or both .....	3
Biology 308 .....	3
Electives .....	12
Total .....	36

The technical curricula at the School of Forestry of Duke University are available in duplicated form from the Dean of Admissions, Gettysburg College, or in printed form from the Dean of the School of Forestry, Duke University, Durham, North Carolina.

### Cooperative Engineering Program

The faculties of Gettysburg College and the School of Engineering of The Pennsylvania State University have established jointly an educational program of five years' duration, three in liberal arts at Gettysburg College and two in engineering at The Pennsylvania State University, leading to the award of an appropriate degree from each institution. This cooperative program has been created in an effort to fulfill the following objectives:

1. To provide a student with the advantages of general education in a liberal arts institution as well as technological education in a school of engineering, through five years of study instead of six or more years that might be required if both degrees were obtained separately.
2. To permit a student whose aptitude for engineering may be uncertain, or whose decision between engineering and other disciplines may not yet be made, to study both arts and sciences



during the first three years of college, during which time he can better determine whether his major interest and ability lie in the field of engineering.

3. To permit qualified students to receive both a liberal and a technical education at relatively low cost and thus provide the state and the nation with more critically needed trained engineers.

The counseling, admission, and transfer of students in this cooperative program are conducted through the following procedures:

1. A student indicates his desire to follow the 3-2 cooperative program at the time of his admission to Gettysburg College. He is enrolled in the pre-engineering curriculum under the supervision of the Physics Department.
2. At the end of the second semester of the third year, a student becomes a candidate for transfer if he has successfully completed all prerequisite courses, has maintained an over-all average of C, and is recommended for transfer by the faculty of Gettysburg College.
3. A student recommended for transfer is eligible to enter any of the following engineering curricula with junior standing: aeronautical, electrical, civil, industrial, sanitary, and mechanical. This program does not prepare the student for transfer to any other technical curricula at The Pennsylvania State University.
4. The individual courses of study in each curriculum for the work at The Pennsylvania State University can be obtained from the Dean of Admissions at Gettysburg College.
5. A student may choose between taking Physical Education or ROTC. However, after having taken one semester of ROTC, he must complete the basic four semester course in ROTC, at either Gettysburg or Pennsylvania State University.

The following courses must be completed satisfactorily in the three-year pre-engineering curriculum at Gettysburg College: Bible 101, 102; Chemistry 101-102; Economics 201 or 203; English 101-102; General Education 101-102 and 201-202; History 233; Language above the 101-102 course; Literature; Mathematics 201-202 (or 105-106 and 205-206), 321-322, and 323-324; Physics 105, 106, 111-112, 201-202, and

205; Psychology 201; Speech 201, 202; and Physical Education or ROTC (two years).

Freshmen should register for English 101-102, General Education 101-102, Language 201-202 (or 101-102), Mathematics 201-202 (or 105-106), Physics 111-112, and either Physical Education or ROTC.

### **Parish Workers' Cooperative Plan**

Gettysburg College has entered into an arrangement with the Lutheran Deaconess Training School of Ruxton, Md., whereby young women planning to enter the full-time service of the church may receive the degree of Bachelor of Arts by attending Gettysburg College three years, then transferring to the Training School for two years of specialized training. It is understood that in order to be graduated, these students must meet all specific course requirements for the degree, including the comprehensive examinations in their major field, by the end of the three-year period. The work completed at the Deaconess Training School will be accepted as the equivalent of the final year in college.

Detailed information concerning the program at Gettysburg College may be secured from the Dean of Admissions. Information concerning the work of the last two years may be secured from either of the two Lutheran Motherhouses: The Baltimore Deaconess Training School, Boyce Avenue, Ruxton 4, Md., or The Philadelphia Deaconess Training School, 801 Merion Sq. Rd., Gladwyne, Pa.

### **Junior Year Abroad**

Qualified students may apply for permission to spend the junior year abroad. Arrangements will be made with one of the regularly organized programs, such as the Junior Year in France Plan sponsored by Sweet Briar College or the programs sponsored by Smith College. Interested students should consult the Dean before the end of the first semester of their sophomore year.

### **Washington Semester**

Gettysburg College is one of a number of accredited institutions participating in a cooperative arrangement with the American University in Washington, D. C., known as the Washington Semester plan. It is a program designed to enable a limited number of superior

upperclass students in the field of the social sciences to spend one semester at the national capital for a first-hand study of government in action.

During this period, students are brought into direct contact with source materials not accessible in the ordinary library and have the opportunity to interview members of the House, Senate, Supreme Court, and officers of the executive departments and agencies concerning policies, procedures, and problems of government. In addition to regular course sessions, students attend seminars and prepare individual research projects in some major area of interest, for which full credit is given toward a degree at their home institution.

The Washington Semester should be taken in either semester of the junior year or the first semester of the senior year. To qualify, a student must have completed at least one basic course in Political Science, have an over-all grade average of B or better, and clearly demonstrate ability to work on his or her own initiative. Applicants need not be majors in any specific subject, although the bulk of Washington Semester students are majoring in Political Science, History, Sociology, or Economics. Information concerning further details of the program may be obtained from the Department of Political Science.

# Rules and Regulations

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The rules and regulations listed here are neither all-inclusive nor complete as to detail. A fuller statement of rules and regulations is issued by the Dean of Students at the beginning of each school year. Every student is expected to become thoroughly familiar with this statement.

## Registration of New Students

Freshmen entering in September make out a tentative schedule of courses through individual conference or through correspondence with the Dean of Admissions during the month of August. For new students entering with advanced standing, the Dean of Admissions prepares evaluations of transfer credits and statements of remaining requirements for graduation. One copy goes to the student and another to the adviser.

New students meet with their advisers during Orientation Week before registration. Any change in their proposed schedule may be discussed at that time.

Upperclassmen complete their final registration at a specified time during Orientation Week. The Dean of Students announces the schedule of registration in a letter to each student.

## Registration Rules

Every student in college is required to pay a fee of \$50 at Spring Registration. This amount is deducted from the student's first-semester College bill. No refunds will be made after July 1.

Each student must register officially at the specified time and place for all the courses he expects to enter. Late registration is penalized by a fine of \$5 unless excused by the Committee on Academic Standing.

## Class Attendance

The College recognizes that regular attendance at all classes for which he is registered is clearly the responsibility of the individual student. Each student is accountable for all work missed because of



absences from class, and instructors are under no obligation to make special arrangements for students who are absent from a class without official excuse. When absence from class becomes a factor in a student's unsatisfactory work, the instructor reports this to the Dean of Students for remedial action. If a student incurs other absences after being warned, he may be required to withdraw from the course with a failing grade.

### **Chapel Attendance**

Chapel services are held Tuesday through Friday from 9:50 to 10:15 A.M. Attendance is required at two services each week. Two unexcused absences are permitted in a semester.

### **Honor System**

An academic honor system was instituted at Gettysburg College in the fall of 1957. It is based upon the belief that undergraduates can be mature enough to act honorably in academic matters without faculty surveillance, and that they should be encouraged so to conduct themselves. At the same time, the College clearly recognizes the obligation of each student to assist in maintaining the atmosphere without which no honor system can succeed.

No student is admitted to Gettysburg College without having signed an honor pledge promising to abide by the rules governing the honor system. During the summer before they enter the College, freshmen receive detailed information regarding these rules.

Alleged violations of the honor code are handled by an Honor Commission elected by the students.

### **Grading System**

The following grading system is in effect at Gettysburg College:

<i>Grade</i>	<i>Description</i>
A	Excellent
B	Good
C	Fair
D	Poor
F	Failing
I	Incomplete
W	Withdrew without penalty
WP	Withdrew passing
WF	Withdrew failing

Quality points are computed for each semester hour as follows: A, 3 quality points; B, 2; and C, 1. No quality points are given for the grades "D," "F," or "I." For all student-body ratings and individual averages, the grades of "F" and "WF" are computed as -1.

Instructors may modify the various letter-grades with plus and minus signs. These signs are placed on the permanent records and reproduced on all transcripts, but are disregarded except in computing honors, in which case the following quality-point system is official:

A+ : 3 1/3	B+ : 2 1/3	C+ : 1 1/3	D+ : 1/3
A : 3	B : 2	C : 1	D : 0
A- : 2 2/3	B- : 1 2/3	C- : 2/3	

An "F" remains on the student's permanent record card and is reproduced on all transcripts. No student may repeat an elective course which he has failed without the consent of the department concerned.

An "I" is used only when extreme emergency situations, such as illness, prevent a student from completing his academic requirements in a particular course. An "I" not removed within the first six weeks after the semester in which the deficiency was incurred becomes an "F," unless the Committee on Academic Standing extends the time limit.

A student who withdraws from a course during the first three weeks of a term receives the grade "W." After the first three weeks he may drop a course only by permission. In such cases he receives the grade "WP" if he was passing the course at the time of withdrawal, or "WF" if he was failing it. A student who withdraws from a course during the last five weeks of a term will receive a "WF" regardless of his standing in the course at that time.

### Academic Standing

The Committee on Academic Standing reviews student records at the end of each semester. When a student's record is unsatisfactory for any semester or when he fails to make satisfactory progress toward graduation, he may be warned, placed on academic probation, advised to withdraw, or required to withdraw. A student on probation must show satisfactory improvement during the following semester or he may be required to withdraw. A student with above-average aptitude who is not achieving beyond the minimum standard may be requested by the College to absent himself for one semester or one year.

### **Conduct**

The Gettysburg College campus is a community of faculty and students engaged in a program of curricular and extra-curricular activities enriched by informal social relationships. It is an adult community of individuals whose responsibility creates an atmosphere of pleasant, satisfying, and rewarding experiences. The student who fails to contribute to that community or who fails to promote the objectives of the group forfeits his right to be a member of that community. Therefore, the College reserves the right to dismiss any student whose conduct is detrimental to the welfare of the College community or whose attitude is antagonistic to the spirit of its ideals. Such an individual forfeits all student rights and privileges, and the fees paid.

### **Reinstatement**

A student required to withdraw from the College for academic reasons may be reinstated only by petition to the Committee on Academic Standing and the faculty. A student suspended or required to withdraw for disciplinary reasons may be reinstated only by petition to the Dean of Students.

### **Automobiles**

All students who desire to drive automobiles to, from, or on the Gettysburg College campus are required to register them with the Dean of Men. Limited parking space makes it necessary to regulate driving and parking automobiles on the campus. Neither freshmen nor sophomores are permitted to have cars on the campus or in the community of Gettysburg.

### **Student Marriages**

Any student under twenty-one years of age who plans to marry must, at least two weeks before the marriage, satisfy the Dean of Students that the parents or guardians of both parties have consented to the marriage. Students violating this rule will be subject to dismissal.

### **Alcoholic Beverages**

Possession or use of alcoholic beverages on College property, in dormitories, fraternity houses, or at College functions is prohibited.

# College Life

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## Counseling

*Orientation Program.* During the first week of the fall term new students participate in a special program designed to help them become adjusted in their new environment. Students have personal conferences with advisers and counselors, hear lectures and participate in discussions pertaining to college life, take achievement and placement tests, and engage in other activities intended to better acquaint them with their new home. Later, faculty advisers explain the test results and discuss them with each student. The tests provide the College with valuable information concerning the academic potential and educational background of each new student and assist the College in its efforts to provide an education suited to his needs. Entering freshmen receive a detailed schedule of the events of the Orientation Program.

*Freshman Advisers.* Each freshman is assigned to a faculty member who serves as his adviser for the year. Working under the Dean of Students and the Director of Guidance, these advisers are ready and willing to help the freshman solve his problems of scholarship and adjustment, and to assist him in determining a major field of study. At the end of the freshman year, most students elect major fields and select their sophomore courses with the assistance of a member of the department in which they intend to major.

*Student Counseling Service.* Under the direction of the Dean of Students, the Psychological Counselor, and the Clinical Consultant, a counseling service is available to assist students with serious personal problems. They may seek it voluntarily or may be referred to it by advisers or other faculty members.

*Dormitory System.* Under the guidance of carefully selected and qualified Student Counselors, the students solve their own dormitory problems. The arrangement is in no sense a system of restraints, but is designed to give training in the principles of cooperative living. In the women's dormitories a qualified head resident is available to help the girls with any dormitory problems they may have.



*Developmental Reading.* Gettysburg College assumes that every student has the ability to comprehend written material. However, it realizes that some students can improve their reading skills even at the college level and, therefore, offers a Developmental Reading Program to improve both reading proficiency and study skills. A non-credit course is available each semester, in which the instruction is geared to meet the needs of the individual student. Classes are held in the newly equipped reading laboratory located in Old Dorm. Students, especially freshmen, who desire improvement in these areas are encouraged to arrange for an evaluation of their reading abilities prior to enrollment in the program.

The reading programs under the direction of a competent specialist are services for students not included within the regular curriculum. It is necessary to charge nominal fees for these services. A fee of \$5 is charged for an analysis of a student's reading abilities and a fee of \$25 per semester for the complete developmental program.

### Lectures and Concerts

The College annually secures widely known scholars, travelers, and outstanding figures in public life to speak on topics of interest to the students and to the community, and, in cooperation with the community, presents artists and artist groups to give concerts to the College community. Student admission to these lectures and concerts is free.

The 1959-1960 series includes the National Theatre Ballet of Finland; David Lloyd, tenor; "Pro Musica," New York; William Henderson, Associate Director of the Council on Foreign Affairs; Oliver Larkin, Smith College; Mr. S. Narasimhan, Undersecretary for Special Political Affairs, United Nations; Dr. Lawton H. Smith, Oak Ridge Laboratories; Dr. Kimon Friar; and Ursula Zollenkopf, alto. Dr. Martin E. Marty, associate editor of *The Christian Century*, was the Religious Emphasis Week speaker. In addition, there were concerts by the Gettysburg College choir.

*Bell Lectureship.* A fund of \$2,100 from the estate of the late Rev. Peter G. Bell (1860) was given to the College for the establishment of a lectureship on the claims of the Gospel ministry on college men. The main object of this foundation is "to keep before the students of

the College the demand for men of the Christian ministry and the conditions of the age qualifying that demand."

*Stuckenberg Lectureship.* Mrs. Mary G. Stuckenberg gave a fund of \$1,000 for the establishment of a lectureship in Sociology in honor of her late husband, the Rev. J. H. W. Stuckenberg, by the terms of which the College sponsors annually a lecture by a specialist on some phase of Sociology from the standpoint of Christian Ethics.

### Musical Organizations

*The Gettysburg College Choir* is an organization of approximately sixty young men and women. Auditions are held at the beginning of each school year. Applicants are chosen on the basis of voice quality, trueness of ear, musical feeling, and general musical intelligence. The Choir appears at special services held in the Chapel, gives periodic concerts on the campus, and makes an extended tour through the surrounding states in the spring of each year.

*The Chapel Choir* participates in the daily Chapel exercise and also appears in concert during the festival seasons of the year.

*The Band* performs as a marching unit at football games both on campus and away, at parades, community affairs, and various school functions. Following football season the band performs as a concert organization giving concerts both on and off campus. Students may participate in either or both groups.

*The Orchestra* performs in recital and in concert and participates in many school functions.

A faculty director is provided for each of the musical organizations. He is assisted by a staff of student officers.

### Dramatics

The Owl and Nightingale Club aims not only to bring out the latent dramatic talent of the students in acting, scene painting, and play writing but also to provide the College and the community with good entertainment. As the dramatic workshop of the College, it produces from four to six representative plays a year. Active membership in the club is gained by performances in a certain number of plays, by staff work, or by both.

In addition, occasional short plays provide students of the Dramatic

Arts classes opportunities in direction and production. All scenery is constructed by the students under faculty supervision.

### Religious Life

One of the major objectives of Gettysburg College is to create an environment where a student may grow spiritually. As a church-related school, it strives to develop a Christian way of life among the students and faculty.

*Church Services.* Gettysburg College believes that regular church attendance is an essential part of the life of any student, especially when the student is away from the incentives and restraints of the home. Gettysburg College strongly emphasizes the importance of attending church services each Sunday. The churches of Gettysburg are eager to welcome the students of the College to all their services.

*Chapel Services.* Services are held in Christ Chapel Tuesday through Friday from 9:50 to 10:15 A.M. On Tuesday and Thursday there are worship services, and on Wednesday a religious convocation. These services are under the direction of the Chaplain. On Friday the Dean of the College conducts a college convocation. The Chapel Choir under the direction of the College Organist assists in the worship services.

*Student Christian Association.* The Student Christian Association is a fellowship of students and faculty dedicated to the development of Christian faith. This organization, founded in 1867, functions today through a wide variety of projects including weekly meetings, daily devotions, forums, lectures, discussion and study groups, publications, social service activities, and conferences. The SCA welcomes into its membership all students regardless of denominational affiliation. Its administration is vested in a Cabinet advised by the College Chaplain and three faculty members. The SCA is the only group permitted to hold regular religious meetings on the campus.

*Evening Meditations.* Christ Chapel is open every evening except Saturday from 10:00 to 10:30. During this half-hour period, a student organist plays softly for quiet meditation and prayer.

*Chaplain.* The College Chaplain is available at all times for personal counseling.

*Religious Emphasis Week.* Each year near the beginning of the second semester a period of three or four days is set aside during

which time a number of outstanding religious leaders come to the campus to give lectures and conduct discussions on some thought-provoking religious theme. This program is known as Religious Emphasis Week. The College considers this one of the high points of the school year—vitally important to the spiritual strengthening of every student and faculty member of the College. This program is conceived, planned, and conducted by the SCA.

### Publications

*The Alumni Bulletin*, a quarterly published by the Alumni Office, keeps alumni informed on current College events and purposes.

*The Gettysburg College Bulletin, Catalogue Issue* is published in April of each year.

*The Gettysburg College Bulletin, Summer Session Catalogue* is published in March of each year.

*The Gettysburgian*, the campus newspaper, edited by a staff of students, is published weekly during the college year and prints chiefly College and alumni news and opinions.

*The G-Book*, a handbook issued to incoming students at the opening of each college year, provides valuable information and suggestions concerning college life and institutions. The SCA is responsible for this publication.

*Look at Gettysburg*, an admissions booklet, furnishes information and illustrations for new students, Guidance Directors, Principals, Headmasters, and parents.

*The Mercury*, a literary magazine edited and published by students of the College under the supervision of the English department, seeks to encourage creative writing by the students.

*The Spectrum*, the student yearbook, contains pictures of the College with its various organizations, activities, and surroundings, and information about students.

*The Gettysburg College Bulletin, Woman's League Issue*, published in December of each year, is a summary of the work of the league for that year.



The purpose of all the publications is to improve communication between the College and its students, former students, and friends.

### **Radio Workshop**

A student radio station, WWGC, has its studio in the Student Union Building and broadcasts a variety of programs on a regular schedule during the college year.

### **The Student Chest**

A system known as the Student Chest coordinates the finances of student organizations. Under the direction of the *Student Chest Committee*, the fund is distributed to the various student organizations. The fee for this fund is included in the comprehensive fee.

### **The Student Senate**

The Student Senate, with a membership of about twenty-four, consists of two members of the faculty and the Dean of Students, who serve as advisers, and one student representative from each of the living groups on the campus.

The basic functions of the Senate are to represent the student body in the formulation of school policies and to promote cooperation among the administration, faculty, and students. It also assumes responsibility for the Men's Tribunal, Honor Commission, Student Discipline Committee, conducts class elections, nominates candidates for the Zimmerman and other prizes, plans Mother's Day and Father's Day, and considers problems of the student body as a whole.

### **Women's Student Council**

Composed of class representatives and one representative for each residence hall, the Council concerns itself with all matters affecting women's dormitory rules and residences.

### **The Inter-Fraternity Council**

The Inter-fraternity Council, composed of representatives from each of the fraternities on the campus, maintains decorum among the community, the College, and the fraternities. This group sponsors the inter-fraternity dances, establishes rules for rushing, and promotes harmonious relations among the fraternities.

### **The Pan-Hellenic Council**

The Pan-Hellenic Council is composed of a senior and a junior member from each of the national sororities represented on the campus. Each sorority also has an alumna delegate. The five major offices are held in rotation by the senior representatives of the national sororities. The Council functions as a governing body in all issues involving sororities and inter-sorority relations and fosters harmony between sorority and independent women.

### **Phi Beta Kappa**

The Gettysburg chapter of Phi Beta Kappa was organized on January 11, 1923. A maximum of ten per cent of the senior class may be elected to this national honor society each year. Candidates for membership must be candidates for the Bachelor of Arts degree, must show promise of both intellectual and moral leadership, and must evidence a broad general culture as well as possess a distinguished academic record.

### **Fraternities, Sororities, and Societies**

#### **Social Fraternities and Sororities**

College fraternities and sororities are dedicated to the high ideals of friendship and service. Through their activities in behalf of the individual, the group, the College, and the community, they play a vital role in campus life. At Gettysburg there is mutual cooperation among the College, the fraternities, the sororities, and the student body. The College realizes that these societies, functioning properly, aid it in achieving its objectives.

On the campus at Gettysburg are thirteen national fraternities and six national sororities.

Alpha Chi Rho  
Alpha Tau Omega  
Alpha Xi Delta  
Chi Omega  
Delta Gamma  
Gamma Phi Beta  
Kappa Delta Rho  
Lambda Chi Alpha  
Phi Delta Theta  
Phi Gamma Delta

Phi Kappa Psi  
Phi Mu  
Phi Sigma Kappa  
Sigma Alpha Epsilon  
Sigma Chi  
Sigma Kappa  
Sigma Nu  
Tau Kappa Epsilon  
Theta Chi

A seventh national sorority, Alpha Delta Pi, will be established on the campus in the spring of 1961.

### **National Honorary and Professional Fraternities and Fraternity Societies**

Alpha Kappa Alpha: a society for students of Philosophy.

Arnold Air Society: a military society for students excelling in Air Force ROTC.

Beta Beta Beta: a society for students of Biology.

Delta Phi Alpha: a German language society.

Eta Sigma Phi: an undergraduate fraternity for students of the Classics.

Kappa Delta Epsilon: a professional Education sorority.

Kappa Phi Kappa: a professional undergraduate Education fraternity.

Lt. Charles Fite Co., Association of the United States Army: a military society for students in Army ROTC.

Phi Alpha Theta: a fraternity for majors in History.

Phi Sigma Iota: a society for students of the Romance Languages.

Pi Delta Epsilon: a journalistic society.

Pi Lambda Sigma: a fraternity for majors in Political Science and Economics.

Psi Chi: a society for students of Psychology.

Scabbard and Blade: a military society for students in the Advanced Course of Army ROTC.

Sigma Pi Sigma: a society for students of distinction in Physics.

Tau Kappa Alpha: a society for students excelling in forensics.

### **Local Honorary and Professional Clubs**

El Circulo de Español: a club fostering the study of Spanish and Spanish-American culture and encouraging fluency in speaking Spanish.

Gettysburg Honor Society: a society comprised of students excelling in scholarship and extracurricular activities who, in association with the Faculty, are dedicated to the attaining of a superior Gettysburg College.

Le Cercle Français: a club offering an opportunity to acquire fluency in speaking French.

Pre-Ministerial Association: an organization for students preparing for the ministry.

Sceptical Chymists: an organization of students in Chemistry.

### Other Organizations

Alpha Phi Omega: a national service fraternity, composed of former Boy Scouts, pledged to develop friendship and to promote service to the College, the community, and the nation.

Booster Club: a club consisting of representatives of various campus groups originated to stimulate College spirit and athletic interest within the student body.

Gavel Club: a club designed to increase the effectiveness of the fraternities through efficient leadership.

Government Club: an organization for those interested in the problems of politics and government, sponsoring Citizenship Clearing House and Intercollegiate Conference on Government activities.

International Club: a club dedicated to the promotion of world peace.

Women's Athletic Association: an organization sponsoring individual, group, intramural, and intercollegiate sports for women students.

### Athletics

#### Intercollegiate Athletics

In order to conduct through a democratic, cooperative, and understanding agency a comprehensive athletic program for the students of Gettysburg College, the Board of Trustees of the College has authorized an advisory committee on athletics to confer at stated times with those responsible for the athletic program.

The College maintains membership in the National Collegiate Athletic Association, the Eastern Collegiate Athletic Conference, and the Middle Atlantic States Collegiate Athletic Conference.

The program of intercollegiate activities for men includes football, lacrosse, basketball, soccer, baseball, tennis, wrestling, track, swimming, cross country, and rifle teams.

The program of intercollegiate activities for women includes field hockey, basketball, and swimming.

All full-time students are admitted without charge to all contests held on the campus.

#### Intramurals

The intramural program is designed to afford opportunities for all students not on varsity squads to enjoy the benefits of participation in



sports. Competitive teams are organized from the fraternities, sororities, and non-fraternity groups.

The intramural program for men is conducted under the supervision of a faculty director, assisted by a student intramural director chosen from the Physical Education majors, and an athletic chairman from each participating group. There are twelve activities included in the program. They are touch football, tennis, soccer, basketball, bowling, table tennis, chess, badminton, volleyball, swimming, cross country, and softball.

The intramural program for women is conducted by the Director of Women's Physical Education, with the assistance of the Women's Athletic Association, and aims to maintain interest in sports and to promote good sportsmanship. The Women's Athletic Association, organized under an Executive Committee and a sports board comprised of student managers for each sport, includes all women students in its membership.

Competitions are arranged among the sororities and the independent women in field hockey, basketball, volleyball, softball, bowling, tennis, table tennis, and swimming.

### **Student Health Service**

In order to be informed adequately of the state of health of each new entrant as soon as he begins his College career, the College requires each applicant for admission to submit to the Dean of Admissions a medical report from his family physician on the official form provided by the College. Each student must present this health form before matriculation. Parents and family physicians are urged to include a complete medical history in this form to insure that the College Medical Director has the proper information in treating students.

A student Health Service is maintained for the benefit of all students. An agency of the service is a well-equipped Infirmary, staffed by a full-time Medical Director and Registered Nurses. This service entitles each student to the following:

1. Periodic medical examination if recommended on the medical report submitted by the family physician.
2. Consultation and treatment by the College Physician.



*Charles R. Wolfe, Dean of Admissions, briefs a prospective student*



*Freshman "get-together"*

3. Necessary medications.
4. Certain diagnostic procedures, as ordered by the College Physician.
5. Infirmary care for all students. Those taking their meals in the College Dining Hall do not pay extra for meals while in the Infirmary, but those normally eating elsewhere pay \$2 a day.

The Health Service does not provide for treatment of chronic illnesses, nor optical or dental care. Consultation with an additional physician, operations, and hospitalization are at the student's expense.

### Placement Service

*Teacher Placement.* The College maintains a free Teacher Placement Bureau to assist seniors and graduates in securing positions and to aid school officials in locating properly qualified teachers. All communications should be addressed to the Director of the Teacher Placement Bureau.

*College Placement.* The College operates a general placement service for its students and alumni. The Director of Placement, in cooperation with the Dean of Students, arranges for the employment personnel of many business and industrial organizations to meet students for personal interviews looking forward to employment. There is a library of works on career possibilities in business and the professions in the Placement office. Students who wish aid in securing placement should register with the Director of Guidance and Placement early in their senior year.

*Departmental Placement.* The administration and major advisers informally assist students in securing employment or placement in graduate school.

# Honors and Prizes

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## Senior Honors

The following honors are awarded at the close of each academic year to members of the graduating class:

(1) *Valedictorian*, to the senior with the highest academic average during his last three years, and who has passed the senior comprehensive examination "with highest honors";

(2) *Salutatorian*, to the senior with the second highest academic average during his last three years, and who has passed the senior comprehensive examination "with highest honors";

(3) *Summa cum laude*, to those seniors who have a four-year quality point average of 2.75 or higher, and who have passed the senior comprehensive examination "with highest honors";

(4) *Magna cum laude*, to those seniors who have a four-year quality point average of 2.5 or higher, and who have passed the senior comprehensive examination "with honor" or better; and

(5) *Cum laude*, to those seniors who have a four-year quality point average of 2.3 or higher, and who have passed the senior comprehensive examination "with honor" or better.

These honors are intended for students with four years of residence at Gettysburg College. However, the Academic Standing Committee may grant the honors of *summa cum laude*, *magna cum laude*, or *cum laude* to transfer students who have satisfied the conditions of the honor during at least four semesters of residence at Gettysburg College and who have presented excellent transfer grades.

In addition to the above, *Departmental Highest Honors* are awarded, upon recommendation by the major department, to those seniors who have a quality point average of 2.75 or higher in their major subject during their last three years, who have presented a satisfactory thesis or its equivalent, and who have passed the senior comprehensive examination "with highest honors."



Upon recommendation by the major department, *Departmental Honors* are awarded to those seniors who have a quality point average of 2.5 or higher in their major subject during their last three years, and who have passed the senior comprehensive examination "with honor" or better.

A transfer student with at least four semesters of residence at Gettysburg College is eligible for *Departmental Highest Honors* or *Departmental Honors* on the basis of grades attained at the College if he meets all other requirements.

### Other Honors

*Highest Class Honors* are awarded at the close of each academic year to those students who have attained the grade of A in all their courses during the year. At the same time, *Class Honors* are awarded to those who have attained the grade of A in at least half of their courses during the year and who have no grades below B.

The names of those students who attain a quality point average of 2.5 or higher in any semester are placed on the *Dean's Honor List*, in recognition of their academic attainments.

Grades attained in required courses in Military Science, Air Science, or Physical Education are not considered in computations for either honors or prizes.

### Prizes and Awards

The following prizes are awarded at the close of each academic year for outstanding scholarship and achievement:

*Baum Mathematical Prize:* The income from \$500, contributed by Dr. Charles Baum (1874), is given to the sophomore showing the greatest proficiency in Mathematics.

*The Charles W. Beacham Athletic Award:* The Student Christian Association presents a cup in memory of Charles W. Beacham (1925), the first alumni secretary of the College. Based on Christian character, scholarship, and athletic achievement, the award is given to a senior.

*Beta Beta Beta Junior Award:* The sum of \$10 is given to the junior Biology major who is an active member of Beta Beta Beta and who has shown outstanding proficiency in the biological sciences during

five semesters of college work. The award is based on interest, attitude, character, and scholarship.

*Beta Beta Beta Provisional Award:* The sum of \$10 is given to the Biology major who has become a provisional member of Beta Beta Beta during the year and who has shown outstanding proficiency in the biological sciences during three semesters of college work. This award is also based on interest, attitude, character, scholarship, and on the arrangement of a display.

*Chi Omega Social Science Award:* The sum of \$25 is given by Chi Omega to the junior or senior girl excelling in the social sciences. The award is sponsored by the national fraternity on every campus which has an active chapter.

*The Class of 1909 Chemistry Award:* The income from \$5,000, contributed by the Class of 1909 on the fiftieth anniversary of its graduation, is awarded to a sophomore Chemistry major, and is to be applied to the expenses of his junior year. The conditions under which the award is given will be explained to each student majoring in Chemistry at the beginning of the sophomore year.

*Delta Gamma Alumnae Association Award:* The sum of \$25 is given to the junior girl who has made the greatest contribution to the College.

*Delta Phi Alpha Prize:* A valuable book on German culture is awarded to the outstanding student for the year in the German Department.

*Anthony di Palma Memorial Award:* Under the auspices of the father of Anthony di Palma (1956), a medal is presented to the junior having the highest marks in History. Other things being equal, preference is given to a member of the Sigma Chi fraternity.

*The Malcolm R. Dougherty Mathematical Award:* The income from \$1,000, contributed by the Columbian Cutlery Company, Reading, Pa., in memory of Malcolm R. Dougherty (1942), is awarded to a freshman showing proficiency in Mathematics and working to earn part of his college expenses.

*Samuel Garver Greek Prize:* The income from \$500, contributed by the Rev. Austin S. Garver (1869) in memory of his father, is awarded to the student who has made the greatest progress in Greek during his freshman year.

*Samuel Garver Latin Prize:* The income from \$500, contributed by the Rev. Austin S. Garver (1869) in memory of his father, is awarded to the student who has made the greatest progress in Latin during his freshman year.

*Graeff English Prize:* The income from \$500, given by John E. Graeff (1843) is awarded to the senior writing the best English essay on an assigned subject.

*John Alfred Hamme Award:* Three awards of \$100 each, established by John Alfred Hamme (1918), are given to the three juniors who have demonstrated in the highest degree the qualities of loyalty, kindness, courtesy, true democracy, and leadership.

*The Henry W. A. Hanson Scholarship Foundation Award:* The income from \$8,994, established by the College Trustees in honor of Henry W. A. Hanson and in recognition of his leadership of and distinguished service to Gettysburg College and to the cause of education in the Lutheran Church and the nation, is awarded to a senior who plans to enter graduate school in preparation for college teaching. The student must have taken the Graduate Record Examination. If the senior chosen cannot accept, the next qualified candidate is eligible, and if no member of the senior class is chosen, a committee may select a member of a previous class.

*Hassler Latin Prize:* The income from \$500, contributed by Charles W. Hassler, is awarded to the best Latin student in the junior class.

*Frank H. Kramer Award:* The sum of \$25 is given by Phi Delta Theta fraternity, in honor of the Professor of Education, Emeritus, to a senior for the excellence of his work in the Department of Education.

*Military Memorial Prize:* The income from \$500, contributed by alumni and friends of the College, is awarded on an equal basis to the two students, one in Military Science and one in Air Science, who have attained the highest standing in either the first or second year of the advanced course of the Reserve Officers' Training Corps.

*Franklin Moore Award:* The income from \$6,500, contributed by the friends of Mr. Moore, is given to the senior who, during his (or her) undergraduate years, has shown the highest degree of good citizenship and by character, industry, enterprise, initiative, and activities has contributed the most toward campus morale and the prestige of the College.

*Muhlenberg Freshman Prize:* The income from \$500, given by Dr. Frederick A. Muhlenberg (1836), is awarded to the freshman taking Greek or Latin who attains the highest general quality point average.

*William F. Muhlenberg Award:* The income from approximately \$800 is awarded to a junior on the bases of character, scholarship, and proficiency in campus activities.

*Nicholas Bible Prize:* The income from \$500, contributed by the Rev. Dr. J. C. Nicholas (1894), is awarded to the senior who has done the best work in advanced courses in Biblical Literature and Religion.

*Clair B. Noerr Memorial Award:* An inscribed medal, established by Constance Noerr (1958) in memory of her father, is awarded to a senior woman on the basis of proficiency in athletics, scholarship, and Christian character.

*William H. Patrick (1916) Award:* The sum of \$25 is awarded to the student who has demonstrated a distinct proficiency in public speaking, in both class and public appearances.

*Phi Sigma Iota Prize:* The sums of \$5 and \$2.50 are given to the two members presenting the best papers to the fraternity.

*Sceptical Chymists Prize:* To encourage the presentation of meritorious talks, the sum of \$10 is awarded by the organization to the member or pledge who delivers the best talk before the Sceptical Chymists during the year.

*Stine Chemistry Prize:* The income from \$1,000, contributed by Dr. Charles M. A. Stine (1901), is awarded to a senior Chemistry major on the basis of his grades in Chemistry, laboratory technique, personality, general improvement in four years, and proficiency in Chemistry at the time of selection.

*Dr. George W. Stoner Award:* The income from \$10,000 is awarded to a worthy male senior accepted by a recognized medical college.

*Samuel P. Weaver Scholarship Foundation Prize:* Sums of \$50 and \$25, established by Samuel P. Weaver (1904), are awarded to the two students writing the best essays on an assigned topic in the field of constitutional law and government.

*Edwin and Leander M. Zimmerman Senior Prize:* The income from \$1,000 is given to the senior whose character, influence on students, and scholarship have contributed most to the welfare of the College.

Transfer students are not eligible for these prizes.



# Courses of Instruction

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The following courses of instruction are offered by the several departments. The College reserves the right to withdraw any course for which there is insufficient enrollment. *A dagger (†) after the name of a course identifies courses that will not be offered in 1960-1961, but which are listed to help the student in planning his future program. It is expected that these courses will be offered in 1961-1962.*

Courses numbered in the 100's are planned primarily for freshmen, those in the 200's primarily for sophomores, and those in the 300's primarily for juniors and seniors. Courses in the 400's are planned for seniors and require individual study, research, and participation in seminars.

*Odd-numbered courses are given in the first semester and even-numbered courses in the second semester.* Term courses which are offered both semesters are identified in the course description. Year courses are indicated by an odd and an even number, joined together by a comma or a hyphen.

Unless otherwise stated in the course description, the number of hours a course meets each week is the same as the number of hours credit per semester. For example, semester courses carrying three hours credit, and similarly year courses carrying six hours credit, normally meet three hours each week.

Year courses in which successful completion of the first semester is a prerequisite for the second semester are indicated by a hyphen between the numbers (for example, 101-102). Year courses in which the second semester may be taken without the first are indicated by a comma (for example, 101, 102).

The Dean issues an annual Announcement of Courses which lists the time and place of each class. Students should consult this supplement at the times of registration.

## GENERAL EDUCATION COURSES

In view of the growing complexity of our civilization and our increasing awareness of individual responsibility, it has become apparent that premature specialization and the departmental isolation of students and teachers are no longer either ethically defensible or socially practicable. An education valid for our world must find its basis in an integrated understanding of man in his essential roles: as living creature in the natural universe, as inheritor of a rich and significant past, as participant in human institutions, and as discoverer and creator of patterns and values which give meaning to human existence. Similarly, the wise choice of a vocation and adequate training in its special techniques must be based upon an inclusive knowledge of the chief fields of human endeavor and some appreciation of the special potentialities and obligations of the various callings.

In an attempt to provide such foundations for its students, the College has established the following general courses, the first two of which are required of all A.B. candidates.

### 101-102. INTRODUCTION TO CONTEMPORARY CIVILIZATION

MMES. DOUGLAS AND WIENHORST, MISS HARNED, MESSRS. AKOLEKAR, ALEXANDER, BLOOM, BOENAU, BUGBEE, COULTER, CRAPSTER, GLATFELTER, HAMMANN, JOHNSON, KNOX, LOOSE, MOORE, SCHUBART, SHEAFFER, SULOUFF, TRONE, AND ZAGARS

A general education course introducing the student to the backgrounds of contemporary social problems through the major concepts, ideals, hopes, and motivations of Western culture since the Middle Ages. *Six hours credit.*

### 201-202. LITERARY FOUNDATIONS OF WESTERN CULTURE

MMES. AKOLEKAR, HARTZELL, McLENNAND, AND WIENHORST, MISS STEWART, MESSRS. DAVISON, HAMMANN, HELD, LINDEMAN, LOOSE, MASON, PICKERING, PLAYFOOT, SHAFFER, AND WOLFINGER

An introduction to the ideas and forms of Western thought, presented through reading and interpretation of selected classics: Homer through Virgil and St. Augustine through Goethe. *Six hours credit.*

### 301-302. WORLD LITERATURE SINCE 1830

MR. SUNDERMEYER

The forming of contemporary thought in literary masterpieces of East and West. Does not fulfill the literature requirement. *Six hours credit.*

### 303. THE DEVELOPMENT OF THE SCIENCES OF MAN

MR. DARRAH

The relation of the tradition of the biological sciences to the intellectual interests of contemporary man. Interpretation of the human environment, man himself considered objectively, and the human values intrinsic in science. *Three hours credit.*

## ART

*Professors QUALLY and KRAMER, and Assistant Professor BARCLAY*

The Art curriculum is designed primarily as an integral part of the liberal arts program of the College, and not as a professional discipline. The emphasis is on basic courses and the interweaving of theory and practice. These courses, however, form a foundation for graduate and professional study.

The following courses may be selected in satisfying the appreciation requirement: 201, 202, 203, 204, 205, 206, 207, 208, 221, and 222.

### Theory and History of Art

#### 201, 202. INTRODUCTION TO THE VISUAL ARTS

MR. QUALLY

An introduction to painting, sculpture, architecture, and related arts. This is not an historical survey, but a study of materials, form, purpose, meaning, and style as an expression of man in his individuality and in his culture. Its aims are to develop ability to perceive expressive forms, respond to artistic quality, and train a critical eye and an inquiring mind. Illustrated lectures. Open to freshmen with permission of the department. *Four hours credit.*

#### 203, 204. HISTORY OF PAINTING

MR. BARCLAY

A study of the development of painting from ancient to modern times in relation to the environment out of which it grew. A comparative appraisal of the art of different periods. Emphasis on painting as a unique human activity, with an examination of individual paintings through color slide projection. *Four hours credit.*

#### 205, 206. HISTORY OF SCULPTURE AND ARCHITECTURE

A critical analysis and an historical survey of these two closely related art forms of mass, volume, and space, with major emphasis on architecture. A study of the major historical periods showing the evolution of forms in response to the changing conditions and needs of man. In architecture special emphasis on the development and character of contemporary styles and the contributions of Sullivan, Wright, Corbusier, and other significant architects. Illustrated lectures. *Four hours credit.*

#### 207, 208. ORIENTAL ART

MR. KRAMER

Chiefly Chinese, with some attention to Japanese, Indian, and Persian art. History, traditions, and culture will form the background for studying material from museums and collections. *Two hours credit.*

## Studio Courses

The purpose of all studio courses is to sharpen the sense of sight; coordinate mind, hand, and eye; develop the ability to organize; and integrate the intuitive and rational into creative activity. Regular lectures accompany basic studio courses in order to combine theory with practice.

The department reserves the right to keep selected student work permanently.

### 221-222. BASIC DESIGN

MR. QUALLY

An introductory course requiring no previous training, designed to develop capacity to think visually and provide a basic discipline to free and direct the creative imagination. Problems involving a variety of media, and elements of visual communication: line, value, form, space, texture, and color. *Four hours credit.*

### 225, 226. DRAWING

A course for beginners, using a variety of media and progressing from simple forms to still life, figure studies, and nature. To stimulate acute observation of the visual world and its transformation into plastic form. *Four hours credit.*

### 227, 228. PAINTING

MR. QUALLY

Major emphasis on oil medium. Abstract problems, still life, figure studies, landscape. Color theory, design structure, and historical reference stressed in accompanying lectures. Designed to increase the student's understanding of visual form as an aesthetic unity, as expression, and as communication, and to develop his creative capacity. *Six hours credit.*

### 231, 232. PRINTMAKING

MR. BARCLAY

Theory and practice of printmaking: etching, engraving, woodblock printing, lithography, serigraph. Student projects based on interpretive approach to subject and form. Accompanying lectures will survey historical forms as well as contemporary Western printmaking. *Six hours credit.*

### 235, 236. SCULPTURE

An introductory course acquainting the student with the problems of three dimensional form, employing a variety of media and techniques, including clay modeling. Correlated lectures will develop theory of mass, volume, and spatial organization as expressed in past periods and in contemporary art. *Six hours credit.*

### 239, 240. GRAPHIC ARTS

MR. BARCLAY

A practical and theoretical study of the graphic arts as applied to forms of communication. Book illustration in all graphic media, exploring the relationship between literature and the visual arts. Typography, poster design, and



layout as art forms and as effective media for communication. In accompanying lectures a survey of graphic arts of past and present, and a critical study of the field. *Four hours credit.*

### 301, 302. ADVANCED DRAWING

A continuation of Art 225, 226 with emphasis on figure drawing and study of anatomy. *Prerequisite:* Art 225, 226. *Four hours credit.*

### 303, 304. ADVANCED PAINTING

MR. QUALLY

Individual problems. Experience in a variety of media (oil, casein, water-color) and mixed media involving underpainting. Emphasis on pictorial structure and individual expression. *Prerequisites:* Art 227, 228. *Six hours credit.*

### 307, 308. ADVANCED PRINTMAKING.

MR. BARCLAY

This course concentrates on one medium, selected according to the student's preference and ability. *Prerequisite:* Art 231, 232. *Six hours credit.*

### 311, 312. ADVANCED SCULPTURE

Development of original projects in various media: plaster casting, terra cotta, ceramic sculpture, carving in wood and stone, and metal sculpture. *Prerequisite:* Art 235, 236. *Six hours credit.*

### 401. INDEPENDENT STUDY

STAFF

An opportunity for the well-qualified student to execute supervised projects in the area of his special interest. Repeated second semester. *Hours and credit arranged.*

## BIBLICAL LITERATURE AND RELIGION

*Visiting Professor* WALTEMYER, *Professor* DUNKELBERGER; *Associate Professor* FREED; *Assistant Professors* HAMMANN, MOORE, and TRONE; *Instructor* SULOUFF; and *Lecturer* WEISER

Requirements for a major include twenty-four semester hours concentrated either in Biblical Literature or Religion. Those concentrating in Biblical Literature are urged to have a minor in Greek or Latin, and may include Greek 326 in fulfilling hour requirements. Those concentrating in Religion may include Philosophy 331. Bible 101 and 102, required of all students, are prerequisites for all other courses in the department and may be counted toward either a major or a minor. Those planning a Biblical Literature minor should take at least Courses 303 and 304 while those planning a Religion minor should take at least Courses 316 and either 311 or 312.

## 101. HISTORY OF THE HEBREW PEOPLE

STAFF

The general periods of Hebrew history from the age of Abraham to about 200 B. C. along with the religious and literary developments are studied in the light of the most recent archeological evidence. The history and culture of Israel is related to that of surrounding nations. *Three hours credit.*

## 102. LIFE OF CHRIST AND THE RISE OF CHRISTIANITY

STAFF

Primary emphasis is given to the aspects of Jesus' life as portrayed in the synoptic gospels with attention also to the presentation in the gospel of John. The interpretation of Christ by Paul and the spread of Christianity through the Roman world are briefly surveyed. *Three hours credit.*

## 201. EARLY AND MEDIEVAL CHURCH HISTORY

MR. DUNKELBERGER

An extension of the study of Christianity beyond the Biblical limits as a continuous development from New Testament origins through the Middle Ages. *Three hours credit.*

## 202. REFORMATION AND MODERN CHURCH HISTORY

MR. SULOUFF

The study of the pluralistic development of Christianity from the formative period of the Reformation through the scholastic, enlightenment, and 19th Century eras. *Three hours credit.*

## 301. THE HEBREW PROPHETS (†)

MR. MOORE

The prophets and their times, with a view to discovering the abiding principles contained in their messages. Effort is made to relate these principles to the present social order. *Three hours credit.*

## 303. JUDAISM FROM 200 B. C. TO A. D. 200

MR. FREED

Its history, institutions, groups, and teachings. The Jewish literature of the period, including that of the Qumran community, is studied as the basic source of information for this period and as a primary background for the study of the New Testament. *Three hours credit.*

## 304. HISTORY AND LITERATURE OF THE NEW TESTAMENT

MR. FREED

An introduction to the study of the problems, origins, and purposes of the writings of the New Testament with the exception of the gospels. *Three hours credit.*

## 306. THE GOSPEL OF JOHN (†)

MR. FREED

The chief emphasis will be given to the thought and content of the gospel itself. An effort will be made to discover some of the various forms of thought background of the gospel, especially that of the Old Testament. There will also be some study of the gospel in its relationship to the synoptic gospels and to the First Epistle of John. *Three hours credit.*

## 311. CONTEMPORARY RELIGIOUS THOUGHT IN THE WEST

MR. DUNKELBERGER

An examination of the ideas of religious leaders of our times in the West and a consideration of major religious emphases today. *Three hours credit.*

## 312. CHRISTIAN EVIDENCES (†)

MR. DUNKELBERGER

A careful appraisal of the case for Christianity including the consideration of its statements of faith, its way of life, its aesthetic appeal, and its organizational claims. Problems arising from the effort to make the Christian affirmation intellectually acceptable are considered. *Three hours credit.*

## 314. DOCUMENTS OF LUTHERANISM

MR. DUNKELBERGER

Readings in and evaluations of documents of the Lutheran tradition from the Reformation to the contemporary period to gain a clearer perspective of the doctrinal, organizational, liturgical, and social views that have evolved. Influences of and interrelations with other denominations will be considered briefly. *Three hours credit.*

## 316. RELIGIONS OF THE WORLD      MESSRS. DUNKELBERGER AND HAMMANN

A survey of the history and content of the great religions of the world outside the Hebrew-Christian tradition with a view to a better understanding of the peoples of our day. *Three hours credit.*

## BIOLOGY

*Professor BOWEN, Visiting Professor SIMPSON; Associate Professors BARNES, W. DARRAH, and MESSER; Assistant Professors LOGAN and SANDNES; Lecturer H. DARRAH; and ASSISTANTS*

The courses in this department are designed to provide an understanding of the basic principles of general and comparative biology. Emphasis is placed on the following features: the cultural values of biological science; the correlation of biology with sociology, psychology, anthropology, and paleontology, and the integration of biology with other areas of human knowledge and experience; biological principles in relation to human life; fundamental training for students who plan to enter schools of medicine, dentistry, nursing, forestry, laboratory technology, or other professional biological fields.

Requirements for a major include a minimum of thirty-two semester hours as approved by the adviser. A premedical major in Biology includes Biology 103 and 104 (or Biology 101-102), 201-202, 311, 321, and such other courses in Biology, and in Physics, Chemistry, English, and modern foreign languages as are arranged with the adviser.

## 101-102. GENERAL BIOLOGY

MESSRS. SIMPSON AND SANDNES,  
MRS. DARRAH AND ASSISTANTS

Basic principles of structure and function in plants and in animals, including man. Three class hours and three laboratory hours. *Eight hours credit.*

## 103. GENERAL BOTANY

MR. DARRAH

An introduction to the biology of plants, presenting basic principles and emphasizing the position of plants in nature and in relation to human interests. Three class hours and three laboratory hours. *Four hours credit.*

## 104. GENERAL ZOOLOGY

MR. BARNES

An introduction to the biology of animals, presenting basic principles and emphasizing the position of animals in nature and in relation to human interests. Three class hours and three laboratory hours. *Four hours credit.*

## 201-202. COMPARATIVE ANATOMY OF VERTEBRATES

MR. MESSER

Detailed examination of the origins, structure, and functions of the principal organs of typical fishes, amphibians, reptiles, birds, and mammals. Special attention is given to the progressive modification of organs from lower to higher vertebrates. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Eight hours credit.*

## 203. VERTEBRATE ZOOLOGY

MR. MESSER

Representative vertebrates, with special emphasis upon structure, the physiological importance of organs, and the relationships existing among the various groups of vertebrate animals. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit.*

## 204. MAMMALIAN ZOOLOGY

MR. MESSER

Detailed structure of a typical mammal and an introduction to human anatomy and physiology. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit.*

## 301. BOTANY

MR. DARRAH

The identification and classification of lower plants; their physiology, origin, and distribution; their importance in human affairs, including industrial applications. Emphasis on field work. *Prerequisite:* Biology 101-102 or Biology 103. Three class hours and three laboratory or field hours. *Four hours credit.*

## 302. BOTANY

MR. DARRAH

The identification and classification of vascular plants; their origin and distribution; their importance in human affairs, including history, culture, and social customs. Emphasis on field work. *Prerequisite:* Biology 101-102 or Biology 103. Three class hours and three laboratory or field hours. *Four hours credit.*

## 306. FIELD WORK IN BIOLOGY

MR. BARNES

The study of the principles of systematics and ecology of plants and animals with particular emphasis on the application of these principles to field biology.



*Prerequisite:* Biology 101-102 or 103 and 104. Two class hours and three laboratory hours. *Three hours credit.*

308. CONSERVATION

MR. DARRAH

An introduction to the general principles of conservation including the management of forests, soils, waters, fishes, birds, and mammals, and their importance in economic and cultural life. No prerequisite. Two class hours, and field trips as arranged. *Three hours credit.*

311. MICROSCOPY AND MICROTECHNIQUE

MR. BOWEN

Theory and use of the microscope and other types of optical instruments; the handling of microscopic objects; the techniques of preparing materials for microscopic investigation. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit.*

312. HISTOLOGY

MR. BOWEN

The microscopic structure, origin, and function of individual cells, the fundamental tissues, and the principal organs of the animal body. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit.*

321. EMBRYOLOGY

MR. BARNES

Development from the germ cells to the establishment of the principal organs of the body, including both the anatomy and physiology of development. *Prerequisite:* Biology 201-202 or 203. Two class hours and two laboratory periods. *Four hours credit.*

323. PARASITOLOGY (†)

MR. SIMPSON

An introduction to the general principles of parasitism with emphasis upon the evolution, taxonomy, morphology, and physiology of animal parasites. *Prerequisite:* Biology 101-102 or 104. Three class hours and three laboratory hours. *Four hours credit.*

326. INVERTEBRATE ZOOLOGY

MR. BARNES

The anatomy, physiology, embryology, and natural history of the major groups of invertebrates and a consideration of the principles of invertebrate phylogeny. *Prerequisite:* Biology 101-102 or 104. Three class hours and three laboratory hours. *Four hours credit.*

329. GENERAL MICROBIOLOGY

MR. SIMPSON

The nature and importance of microorganisms, including yeasts, molds, bacteria, and pathogenic protozoa. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit.*

## 333. PRINCIPLES OF HEREDITY

MR. SANDNES

The fundamental principles of heredity as observed in common plants and animals, including man, and the relationships between heredity and development, physiology, and evolution. *Prerequisite:* Biology 101-102 or 103 and 104. Two class hours and three laboratory hours. *Three hours credit.*

## 334. PREHISTORIC LIFE

MR. SIMPSON

An introduction to the geologic history of plants and animals from the development of life to the beginning of historic time. No prerequisite. Two class hours. *Two hours credit.*

## 337. PHYSIOLOGY

MISS LOGAN

A study of the functions of vertebrate organ systems, with consideration of some aspects of invertebrate physiology. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit.*

## 338. PHYSIOLOGY

MISS LOGAN

Cellular physiology: the mechanics and dynamics of the living cell. *Prerequisite:* Biology 103 and 104 or Biology 101-102 and at least Chemistry 101-102. *Four hours credit.*

## 401. PROBLEMS IN BIOLOGY

STAFF

An introduction to special techniques and methods in biological investigation. Offered to junior or senior Biology majors who have the approval of the department for this particular course. Hours and credit arranged. *Maximum credit of four hours each semester.*

## 404. BIOLOGICAL SEMINAR

STAFF

A survey of the field of biology; the history of biology; the use of scientific publications, including recent biological texts and current journals. Course advised for junior or senior majors. Three class hours. *Two hours credit.*

## CHEMISTRY

*Professors* SCHILDKNECHT AND SLOAT; *Associate Professor* WEILAND; *Assistant Professor* ROWLAND; *Instructor* DEARDORFF; and *ASSISTANTS*

Requirements for a major include 101-102, 201, 202, 301-302 and 303-304. Premedical majors in Chemistry need in addition such courses in Biology, Physics, English, and modern foreign languages as are necessary to meet the requirements of the medical school of the student's choice. Other Chemistry majors will take advanced courses according to their needs and upon the advice of the chairman of the department.

## 101-102. GENERAL CHEMISTRY

MESSRS. SLOAT, ROWLAND,  
SCHILDKNECHT, DEARDORFF, AND ASSISTANTS

The occurrences, properties, uses, and methods of preparation of the more common elements and their compounds, and the theoretical principles involved. Special emphasis is placed upon the scientific method of reasoning and the application of chemical principles through the solving of problems. Two lectures, one recitation, and three laboratory hours. *Eight hours credit.*

## 201. QUALITATIVE ANALYSIS

MR. WEILAND

Comprehensive study of chemical equilibrium and its application to inorganic qualitative analysis. Laboratory is on a semimicro scale. *Prerequisites:* Chemistry 101-102 and Mathematics 101 and 102 or 105-106. Two lectures and six laboratory hours. *Four hours credit.*

## 202. QUANTITATIVE ANALYSIS

MR. WEILAND

Theory and practice of gravimetric and volumetric analysis. Familiarity with the work and principles is sought through the solution of problems. *Prerequisite:* Chemistry 201. Two lectures and six laboratory hours. *Four hours credit.*

## 301-302. ORGANIC CHEMISTRY

MR. SCHILDKNECHT

Systematic study of the compounds of the aliphatic and aromatic series with special emphasis upon relationships and synthesis of the more common compounds together with the study of their properties and techniques of preparation in the laboratory. *Prerequisites:* Chemistry 101-102, 201 and 202. Three lectures and three laboratory hours. *Eight hours credit.*

## 303-304. PHYSICAL CHEMISTRY

MR. SLOAT

Fundamental atomic and molecular theory, electron conception of valence, complex compounds, gases, solids, energetics, liquids, solutions, colloidal dispersions, electromotive force, ionic equilibria. Chemical equilibria, physical properties of matter, and phase rule. Laboratory illustration of such of these principles as are of theoretical interest or of particular service in medical school or industrial practice. *Prerequisites:* Chemistry 101-102, Physics 111-112 and Mathematics 205-206. Three lectures and three laboratory hours. *Eight hours credit.*

## 311-312. ADVANCED ANALYTICAL CHEMISTRY

MR. WEILAND

Advanced work in gravimetric and volumetric analysis followed by instrumentation analysis. The latter includes visual, emission and absorption spectroscopy, spectrophotometry, electroanalysis and potentiometry. *Prerequisites:* Chemistry 101-102, 201 and 202. Six laboratory hours and one conference hour. *Four hours credit.*

## 313-314. ADVANCED ORGANIC CHEMISTRY

MR. ROWLAND

Special topics covered include the orbital theory as applied to organic compounds, stereochemistry, reaction mechanisms, kinetics, conformational analysis and the chemistry of steroids. The first semester laboratory work deals with organic qualitative analysis, while advanced syntheses are conducted during the second semester. A seminar is given by each student during the second semester on a topic of current interest in organic chemistry. *Prerequisite:* Chemistry 301-302. Two lectures and six laboratory hours. *Eight hours credit.*

## 321-322. TEACHER'S COURSE

MR. SLOAT

The organization and conduct of an elementary course in Chemistry. Required of prospective teachers and graduate students. Open to juniors and seniors. One lecture and three laboratory hours. *Four hours credit.*

## 401. RESEARCH

STAFF

Selected laboratory and literature investigations especially in the fields of analytical chemistry, biochemistry, organic synthesis, physical chemistry, polymerization and steroid chemistry. *Prerequisites:* Chemistry 101-102, 201, 202 and 301-302. Laboratory work and conference. Repeated second semester. *One to three hours credit.*

## DRAMATIC ARTS

*Professor ARMS*

## 101, 102. APPRECIATION OF THE THEATRE

MR. ARMS

Current plays of the English-speaking stage discussed in detail. *Two hours credit.*

## ECONOMICS AND BUSINESS ADMINISTRATION

*Professor STOKES, Visiting Professor DOUGLAS; Associate Professor ZAGARS; Assistant Professors BAIRD and WILLIAMS; Instructors AKOLEKAR, GEMMILL, and KRUM; Lecturer WAGNER; and ASSISTANTS*

The courses offered in this department are designed to provide an understanding of the principles of economic behavior. Both theoretical and applied courses are designed to meet the needs of students who intend to enter graduate and professional schools, or who plan a career in business or government. Fundamentals rather than techniques are stressed. Students may select either Economics or Business Administration as their major field.



## Economics

The requirements for a major in Economics are a minimum of twenty-four semester hours, including Economics 201-202, 303, 331, and 333, and Mathematics 352. In addition, all majors are required to take Political Science 201, and are advised to take Economics 251-252. History 234 may be counted in fulfilling the hour requirements for a major. Economics 201-202 is required for all minors, and is a prerequisite for all other courses in Economics.

### 201-202. PRINCIPLES OF ECONOMICS

STAFF

Economic principles, problems, and policies, with special emphasis on production, value, money, wages, interest, rent, profits, and consumption. Recommended for all Political Science majors. *Six hours credit.*

### 203. PRINCIPLES OF ECONOMICS

STAFF

A survey of the existing and changing economic order. An analysis of basic factors of production, exchange, distribution, and consumption of wealth. This course is designed to meet the requirements in Economics of those who wish to be certified to teach social studies in the public schools of Pennsylvania. It is not acceptable in partial fulfillment of the major and minor requirements of the department. Repeated second semester. *Three hours credit.*

### 301. LABOR RELATIONS

MRS. DOUGLAS

Labor in industrial society; nature of the labor market; marginal workers and their protection; history of trade unionism and employer policies; collective bargaining processes; organized labor and the law. Repeated second semester. *Three hours credit.*

### 302. TRANSPORTATION

MR. STOKES

Development, operation, and coordination of rail, motor, and water transportation facilities and their regulation. *Three hours credit.*

### 303. MONEY AND BANKING

MR. STOKES

The nature and functions of money and credit, credit instruments, monetary standards, classes and functions of banks, commercial bank operations, the structure and operations of the Federal Reserve System, theories of money value, credit control, and monetary policy. Repeated second semester. *Three hours credit.*

### 305. PUBLIC FINANCE

MR. STOKES

The provision, custody, and disbursement of the resources required for the conduct of government functions; the various types of taxes and their economic effects; fiscal policy; the budget; management of the public debt. *Three hours credit.*

## 306. INTERNATIONAL ECONOMICS

MR. AKOLEKAR

International trade, foreign exchange, international capital movements, tariffs and restrictive trade practices, trade agreements, international monetary agencies. *Three hours credit.*

## 308. BUSINESS CYCLES AND FORECASTING

MR. GEMMILL

This course examines the economic factors underlying cyclical variations in economic activity; cycle theories; behavior of selected domestic and international indicators of business fluctuations; forecasting techniques; control of cycles. *Three hours credit.*

## 321, 322. SOUTHEAST ASIA: ECONOMIC AND POLITICAL PROBLEMS

MR. AKOLEKAR

The problems of economic development and planning, representative government and regional cooperation. The economic, political, and strategic importance of this area to the United States. Special emphasis will be placed on India, Pakistan, Nepal, and Ceylon in the first semester; Burma, Thailand, and Indonesia in the second semester. *Six hours credit.*

## 324. THE SOVIET SYSTEM

MR. ZAGARS

A comparative study and analysis of the evolution and present structure of major social, political, and economic institutions of the Soviet society. Attention is given to factors explaining the survival and economic growth of the Soviet Union. Trends and prospects are discussed, particularly in relation to the economic development of the United States and Western Europe. Senior course. *Three hours credit.*

## 331. ECONOMIC ANALYSIS

MESSRS. WILLIAMS AND AKOLEKAR

An analysis of current theory and problems. Senior course. Repeated second semester. *Three hours credit.*

## 333. HISTORY OF ECONOMIC THOUGHT AND ANALYSIS

MR. ZAGARS

A historical study and analysis of economic ideas, institutions, and policies in relation to the major forms of social, political, and economic organization since antiquity. Senior course. *Three hours credit.*

## 401. SENIOR SEMINAR

MRS. DOUGLAS

A seminar open to senior majors, with the consent of the department. Research papers on contemporary economic problems will be prepared and discussed. Repeated second semester. *Three hours credit.*

## Business Administration

The requirements for a major in Business Administration are thirty semester hours, including Economics 201-202, 251-252, and 331, and Mathematics 352. The remaining hours may be taken in any of the courses listed below or in those listed under Economics. Mathematics 353-354 and 351 may be counted in fulfilling the hour requirements for a major. All majors are required to take Political Science 201.

### 151. ECONOMIC GEOGRAPHY

MR. KRUM

The location and use of the world's economic resources. The course aims to provide a background for understanding industrial, commercial, and agricultural opportunities and limitations, with emphasis on climate, topography, population, and essential resources. Open only to freshmen, except with special permission of the department. *Three hours credit.*

### 152. INDUSTRIES OF THE UNITED STATES

MR. KRUM

A survey of American industries, with emphasis on the origin, nature, and development of selected industries. Attention will be focused on their geographic basis, historical evolution, current economic position, and problems. *Three hours credit.*

### 251-252. ELEMENTARY ACCOUNTING

MESSRS. BAIRD AND GEMMILL

Fundamental principles of modern accounting procedure, preparation of the basic financial statements. Three class hours and two practice hours. *Six hours credit.*

### 351-352. INTERMEDIATE ACCOUNTING

MR. BAIRD

Analysis of advanced accounting procedures necessary to satisfy the demands of modern management, creditors, owners, potential investors, and governmental requirements. *Prerequisite:* Economics 251-252. *Six hours credit.*

### 353. ADVANCED ACCOUNTING

MR. BAIRD

An advanced course for accounting students designed to develop a critical capacity for understanding, interpreting, and analyzing data with respect to consolidated statements, liquidations, estates and trusts, receiverships, and governmental and institutional accounting. *Prerequisite:* Economics 351-352. *Three hours credit.*

### 355. AUDITING

MR. BAIRD

Principles and procedures of auditing, including preparation of audit programs, preparation of the working papers, and the writing of the audit report. *Prerequisite:* Economics 351-352. *Three hours credit.*

## 356. FEDERAL TAXES

MR. BAIRD

An introduction to the study of federal taxes with emphasis on the accounting and management implications of the law. The preparation of returns and the analysis of current problem material will be required. *Prerequisite:* Economics 351-352. *Three hours credit.*

## 361. MARKETING PRINCIPLES AND PRACTICES

MR. KRUM

An analysis of the marketing structure underlying the sale and movement of goods from the producer to the final buyer, with a view to determining the principles and practices conducive to more efficient marketing management. Repeated second semester. *Three hours credit.*

## 363. BUSINESS LAW

MR. STOKES

Legal rights and obligations arising out of common business transactions. Repeated second semester. *Three hours credit.*

## 365. PERSONNEL MANAGEMENT

MR. WILLIAMS

Scientific labor management and personnel administration. Emphasizes the economic and social background, use of statistical tools and specialized techniques in job evaluation, merit rating, selection and training of workers, and wage determination. Senior course. *Three hours credit.*

## 366. INDUSTRIAL MANAGEMENT

MR. WILLIAMS

An introduction to the field of industrial management with special emphasis on economic background, financing, research, engineering, etc. Plant site selection, layout, production control, budgeting, purchasing, internal coordination and control. Senior course. *Three hours credit.*

## 367. CORPORATION FINANCE

MR. GEMMILL

This course deals with the raising and administering of the funds used in the modern corporation. Topics covered include corporate organization, stocks and bonds, principles of long-term finance, management of working capital and income, security exchanges, corporate expansion, failure and reorganization. Senior course. *Three hours credit.*

## EDUCATION

*Professor* ROSENBERGER; *Associate Professor* JOHNSON; and *Lecturers* BASHORE and TERWILLIGER

Gettysburg College is accredited by the Department of Public Instruction of the Commonwealth of Pennsylvania for the preparation of teachers in the following fields:

Secondary School Academic Subjects (grades 7-12).  
Public School Music (grades 1-12).  
Health and Physical Education.



The department provides the proper courses for certification in other states, with particular attention to New Jersey, New York, and Maryland. Those interested in teaching in private schools should also plan to include professional education courses in their program of studies.

A student planning to teach should confer with the head of the department before registering for a course in the department. All students planning to teach must take Psychology 201 in the sophomore year.

The privilege of taking Education 401 (Student Teaching) is restricted to students who have the recommendation of the department chairman in their major field. A passing grade must have been attained in all courses pursued during the previous semester.

A maximum of eighteen hours in professional education courses may be counted toward the graduation requirements.

Students interested in teaching should seek opportunities to work with children and youths in church activities, YWCA and YMCA, scouting, summer camps, and elsewhere.

Students should familiarize themselves with the following certification requirements for secondary teachers in the states in which they plan to teach:

1. PENNSYLVANIA: REQUIREMENTS FOR THE PROVISIONAL COLLEGE CERTIFICATE, VALID UNTIL OCTOBER 1, 1963.

a. *Teaching subjects required*

1. For academic subjects: eighteen hours in each subject. Certification in Social Studies will be granted by offering nine hours in History and three hours in each of the following fields: Sociology, Political Science, and Economics. Certification to teach General Science is fulfilled by certification in Biological Science or Physical Science.
2. For Music: completion of the requirements for the degree of Bachelor of Science in Music Education.
3. For Health and Physical Education: completion of the requirements as enumerated by the Department of Health and Physical Education.

b. *Education courses required*: eighteen hours in Education, including Education 301, 305, 309, and 401. Education 313 is recommended.

Twelve hours of credit and three years of satisfactory teaching experience in Pennsylvania are required to make the College Provisional Certificate permanent. At the time of applying for the Permanent Certificate a course in Audio-Visual Education and the History of the United States (three hours) must have been completed. Either or both of these courses can be taken as a part of the twelve hours required for the Permanent Certificate.

2. NEW JERSEY: REQUIREMENTS FOR THE SECONDARY CERTIFICATE.

- a. *General requirements*: a bachelor's degree, including thirty hours of general background courses distributed in at least three of the following fields: English, Social Studies, Science, Fine Arts, Mathematics, and Foreign Language.

- b. *Teaching subjects required:* a minimum of eighteen hours is required for certification in Biological Sciences, English, General Science, Health Education, History, Instrumental Music, Latin, a specific modern language, Mathematics, Physical Education, Physical Science, Political Science and Economics, Speech, and Vocal Music. Thirty hours are required for Music, Science, and Social Studies.
  - c. *Education courses required:* eighteen hours in Education, three of which may be Health Education 311 or 314, or Biology. The health education requirement may also be fulfilled by taking an examination. The following courses are required: Education 301, 305, 309, and 401. Education 313 is recommended.
3. MARYLAND: REQUIREMENTS FOR A CERTIFICATE IN ACADEMIC SUBJECTS.
- a. *General requirements:* a bachelor's degree.
  - b. *Teaching subjects required:* a minimum of eighteen hours is required for certification in Biology, Chemistry, French, Latin, Mathematics, and Physics. A minimum of twenty-four hours is required in English and in Social Studies (eighteen hours of which must be in History, including American History, and six hours in Economics, Sociology, or Political Science). A minimum of twenty-seven hours is required for certification in High School Science (including six hours each in Chemistry, Physics, and Biology; six additional hours in one of these sciences; and three hours in other sciences such as geology, astronomy, meteorology, and conservation).
  - c. *Education courses required:* eighteen hours in Education, including 301, 305, 309, 401, and one three-hour elective. All Education courses must be taken in the junior and senior years.

### 301. EDUCATION PSYCHOLOGY

MESSRS. JOHNSON AND BASHORE

The development of the individual and the psychological principles of learning are extensively investigated. An introduction is given to evaluating and reporting pupil progress. *Prerequisite:* Psychology 201. Repeated second semester. *Three hours credit.*

### 305. INTRODUCTION TO EDUCATION

MR. ROSENBERGER

Consideration is given to the function of the schools in a democracy. Emphasis is placed on the methods and techniques of the teaching-learning process and to classroom management. *Prerequisite:* Psychology 201. Repeated second semester. *Three hours credit.*

### 309. HISTORICAL AND SOCIAL FOUNDATIONS OF EDUCATION

MR. ROSENBERGER

The relationship of the education of man to the developing social patterns of Western culture as it emerged from its Greek foundations will be studied. *Prerequisite:* Psychology 201. Repeated second semester. *Three hours credit.*

## 313. SECONDARY SCHOOL CURRICULUM

MR. JOHNSON

The philosophy, practices, and problems of the junior and senior high school curricula will be studied. The construction and revision of courses will be investigated as well as the core curriculum. A general orientation will be given to guidance and extra-curricular activities. *Prerequisite:* Education 305. Repeated second semester. *Three hours credit.*

## 317. EDUCATIONAL MEASUREMENTS

The development of the principles of evaluation of individual differences as related to intelligence, aptitude, scholastic achievement and personality factors. The principles of test construction and interpretation of test data will be studied. *Prerequisites:* Education 301 and 305. *Three hours credit.*

## 321. SCHOOL ORGANIZATION AND LAW

MR. ROSENBERGER

To give an understanding of the legal status of teachers, the relation of the local, state, and national government to the schools, and the principles of the teachers' relation to administration. *Prerequisite:* Education 301. *Three hours credit.*

## 328. PRINCIPLES OF GUIDANCE

The principles and practices of counseling and guidance are studied. This involves the systematic study of the individual, the theories and techniques in practice, guidance programs, and the place of guidance in the total educational program. *Prerequisites:* Education 301 and 305. *Three hours credit.*

## 331. FOUNDATIONS OF READING INSTRUCTION

MR. TERWILLIGER

An introduction to the theory and problems in reading instruction at the elementary and secondary levels. The current trends relating to the recognition of these problems and the appropriate instructional aids will be studied. *Prerequisite:* Psychology 201. *Three hours credit.*

## 334. PREVENTION AND CORRECTION OF READING DISABILITIES

MR. TERWILLIGER

A study will be made of the analysis and correction of reading disabilities in the elementary and secondary schools. Emphasis will be placed on teacher-constructed materials, standardized tests relating to reading, and practical application of corrective techniques for specific reading disabilities. *Prerequisite:* Education 331 or consent of the instructor. *Three hours credit.*

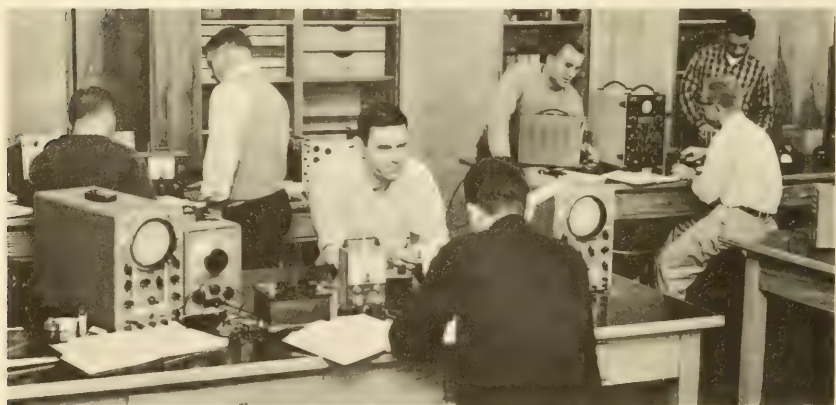
## 337. AUDIO-VISUAL EDUCATION

MR. JOHNSON

The underlying philosophy, principles, and techniques involved in the use of sensory aids are studied. The course is intended to increase the effectiveness of both the new and experienced teachers in the use of such aids. *Prerequisite:* Education 301. Repeated second semester. *Three hours credit.*



*Experimental psychology*



*Physics laboratory*



## 401. STUDENT TEACHING

MESSRS. ROSENBERGER AND BASHORE

Student observation, participation, and teaching on the secondary school level under the supervision of an experienced teacher. Group and individual conferences are held for discussion of principles and problems. A minimum of ninety hours of responsible classroom teaching is recommended. *Prerequisites:* Education 301 and 305. Repeated second semester. *Six hours credit.*

## ENGLISH

*Professors* GEYER and MASON; *Associate Professors* BOLICH, LINDEMAN, TAYLOR, and WOLFINGER; *Assistant Professors* MCLENNAND and PICKERING; *Instructors* BASKERVILLE, DAVISON, HARSHBARGER, LOCHER, LOOSE, STEWART, WIENHORST; *Lecturers* AKOLEKAR and MILLER

The requirement for a major is a minimum of thirty semester hours of English and American Literature. All majors are required to take English 211-212 and 365, 366. In addition, six hours must be selected from each of the following groups: Group I: 331, 334, 338, 362, 367; Group II: 341, 345, 348, 351; Group III: 311, 312, 321, 322, 324, 328, 372. Majors and minors who expect to teach in the public schools should take English 311, 312 and Speech 201.

## Composition

## 101-102. ENGLISH COMPOSITION

STAFF

Review of fundamentals of grammar, practice in writing, and in careful and exact reading of short prose selections. *Six hours credit.*

## 201. ADVANCED COMPOSITION

MESSRS. PICKERING AND LOCHER

The principles and techniques of expository and argumentative writing. *Three hours credit.*

## 203. JOURNALISM

MRS. TAYLOR

Introduction to the techniques of newspaper writing and editing. Repeated second semester. *Two hours credit.*

## 205, 206. CREATIVE WRITING

MRS. TAYLOR

Technique of writing essays, short stories, etc. Open to all students, except freshmen, with the approval of the instructor. *Four hours credit.*

## 305, 306. ADVANCED CREATIVE WRITING

MRS. TAYLOR

Workshop for advanced writing students. Problems and techniques of writing short stories, verse, essays, etc. *Prerequisite:* English 205, 206. *Four hours credit.*

## Literature

- 211-212. ENGLISH LITERATURE MESSRS. GEYER AND MASON  
A survey of English literature from *Beowulf* to the end of the nineteenth century. Required sophomore course for English majors. *Six hours credit.*
- 213, 214. INTRODUCTION TO LITERATURE MESSRS. LINDEMAN AND LOCHER,  
MRS. MCLENNAND AND MISS STEWART  
An intensive study and analysis of the dominant literary types—the short story, the novel, poetry, and drama. Designed primarily for non-English majors wishing to fulfill the literature requirement. *Six hours credit.*
311. AMERICAN POETRY MR. MASON  
From Bryant to Lanier; emphasis on critical interpretation. *Three hours credit.*
312. AMERICAN PROSE MR. MASON  
Selections from the eighteenth and nineteenth centuries. *Three hours credit.*
- 321, 322. THE ENGLISH NOVEL MR. PICKERING  
Historical development of the English novel from Bunyan to the twentieth century. *Six hours credit.*
324. CONTEMPORARY PROSE FICTION MR. GEYER  
An intensive study of selected British and American prose works of the twentieth century. *Three hours credit.*
328. MODERN DRAMA MR. WOLFINGER  
A study of Ibsen, post-Ibsen movements, and relevant plays. *Three hours credit.*
331. MEDIEVAL LITERATURE MR. BASKERVILLE  
An extensive study of the rise and development of the literary types with almost equal stress on English (excluding Chaucer) and Continental writers. *Three hours credit.*
334. THE ENGLISH RENAISSANCE MR. BASKERVILLE  
Sixteenth-century prose and poetry with particular attention to the works of Spenser and the Age of Elizabeth. *Three hours credit.*
338. THE SEVENTEENTH CENTURY MR. MASON  
The poetry and prose of the period with special attention to Bacon, Jonson, Donne, and Dryden. *Three hours credit.*

## 341. THE EIGHTEENTH CENTURY

MR. GEYER

The chief poets and prose writers of the neo-classical period. *Three hours credit.*

## 345. THE ROMANTIC PERIOD

MR. GEYER

Wordsworth, Coleridge, Byron, Shelley, and Keats. *Three hours credit.*

## 348. THE VICTORIAN PERIOD

MR. GEYER

The poetry and prose of the period with special attention to Tennyson, Browning, and Arnold. *Three hours credit.*

## 351. MODERN POETRY

MR. LINDEMAN

Major English and American poets of the present century. *Three hours credit.*

## 362. CHAUCER

MR. PICKERING

*The Canterbury Tales, Troilus and Criseyde*, and several shorter poems. *Three hours credit.*

## 365, 366. SHAKESPEARE

MR. WOLFINGER

A study of numerous plays, criticism, and historical materials with emphasis on the development of Shakespeare's dramatic art. *Six hours credit.*

## 367. MILTON

MR. MASON

Milton's poetry and selected prose. *Three hours credit.*

## 372. THEORIES OF LITERATURE

MR. LINDEMAN

The various ways in which man has regarded literature: its sources, its forms, and its purposes. *Three hours credit.*

## 401. INDEPENDENT STUDY

STAFF

Open with consent of the department to majors in their senior year. Supervised reading under the direction of individual members of the Staff. Repeated second semester. *Hours and credit arranged.*

### Speech

## 201. BASIC PUBLIC SPEAKING

MESSRS. BOLICH AND MILLER

Basic principles of public address: delivery, bodily action, voice; finding, arranging, and presenting ideas. Repeated second semester. *Two hours credit.*

## 202. ADVANCED PUBLIC SPEAKING

MR. BOLICH

The adaptation of public address to various purposes: to inform, to entertain, to convince, to induce to action. *Prerequisite:* Speech 201. *Two hours credit.*

## 301. VOICE AND DICTION

MR. BOLICH

Proper use of voice apparatus through drills and study in physical control, breathing, tone production, and resonance. Exercises in articulation, correct pronunciation, and expressiveness. *Two hours credit.*

## 302. ARGUMENTATION AND DISCUSSION

MR. BOLICH

The principles of logical proof in oral discourse. *Two hours credit.*

## 303. ORAL INTERPRETATION

MR. BOLICH

Study and practice in techniques of reading aloud from prose, poetry, and dramatic literature. *Two hours credit.*

## 304. RADIO SPEECH

MR. BOLICH

Radio as a means of communication. The principles of radio speaking and script writing; problems of production. There will be some attention given to television. Field trips are included. *Two hours credit.*

**FRENCH (See Romance Languages)****GERMAN**

*Professor SUNDERMEYER; Associate Professor AHRENS; Instructors COLLIER and LANGERHANS; and Lecturer FORTENBAUGH*

Requirements for a major include German 211-212, 301-302, 303-304, 341-342, and two literature courses. The teaching minor consists of eighteen hours and must include German 301-302, 303-304, and 341-342.

German 301-302, 303-304, 321-322, 325-326, 329-330, 333-334, 349-350, 353-354, 357-358, and 401-402 may be used in filling the literature requirement.

**German Language, Literature, and Civilization**

## 101-102. ELEMENTARY GERMAN

STAFF

The essentials of grammar and reading of simple prose and poetry. Three hours and one practice hour in the language laboratory. *Six hours credit.*



- 201-202. INTERMEDIATE GERMAN STAFF  
Review of grammar and reading of standard German. *Prerequisite:* German 101-102. *Six hours credit.*
- 211-212. HISTORY OF GERMAN CIVILIZATION MR. SUNDERMEYER  
Lecture course in English. Open to all students. Credit given in the Departments of German and History. *Two hours credit.*
- 301-302. COMPOSITION MRS. LANGERHANS  
Practice in writing idiomatic German. *Two hours credit.*
- 303-304. CONVERSATION MRS. LANGERHANS  
Practice in speaking German. *Four hours credit.*
- 321-322. THE CLASSICAL FIELD MR. SUNDERMEYER  
Reading and interpretation of German Classical writers, including Lessing, Goethe, and Schiller. *Prerequisite:* German 201-202. *Six hours credit.*
- 325-326. THE NINETEENTH CENTURY MR. AHRENS  
Reading and interpretation of German writings from Heinrich von Kleist to Gerhart Hauptmann. *Prerequisite:* German 201-202. *Six hours credit.*
- 329-330. CONTEMPORARY LITERATURE MR. SUNDERMEYER  
Selections from contemporary literature. *Six hours credit.*
- 333-334. GERMAN SCIENTIFIC PROSE MR. AHRENS  
Selections of literary merit from authors in the field of the natural sciences. *Prerequisite:* German 201-202. *Six hours credit.*
- 341-342. COMPARATIVE PHILOLOGY MR. AHRENS  
A general introduction to linguistic science. The first semester is devoted to the development from Indo-European to the Germanic languages, and the second semester to the development of the German language. *Two hours credit.*
- 345-346. GERMAN SCIENTIFIC PROSE MR. COLLIER  
Advanced readings adapted to individual needs of students majoring in any of the exact sciences. *Two hours credit.*
- 349-350. GOETHE'S FAUST - MR. SUNDERMEYER  
Goethe's *Faust*, I and II. *Six hours credit.*

## 353-354. ADVANCED GERMAN READINGS

MRS. LANGERHANS

Prose, plays, and poetry from the twelfth century to the present, in coordination with German 211-212. *Six hours credit.*

## 357-358. LUTHER

MR. AHRENS

An advance course devoted to the study of selections from Luther's German writings. *Two hours credit.*

## 401-402. SEMINAR IN GERMAN LITERATURE

MR. SUNDERMEYER

A reading course conducted in German. *Six hours credit.*

## Russian

## 101-102. ELEMENTARY RUSSIAN

MR. COLLIER

Principles of Russian pronunciation; essentials of grammatical structure; practice in composition, reading, and translation; conversational material; and relationships with other Indo-European languages. *Six hours credit.*

## 201-202. INTERMEDIATE RUSSIAN

MR. COLLIER

Review of grammar; conversation and reading of selections from Russian literature. *Six hours credit.*

## GREEK

*Professor SHAFFER and Assistant Professor HELD*

Requirements for a major include twenty-four hours above the 101-102 course as approved by the adviser, and may include Philosophy 303. Students planning to do graduate work in Greek should take college Latin courses. Greek 321, 322, 329, 330, and 334 will be offered in 1960-1961 if needed.

Greek 312, 321, 322, 325, 326, 329, 330, 333, 334, and 401 may be used in fulfillment of the literature requirement in a foreign language.

## 101-102. ELEMENTARY GREEK

MESSRS. SHAFFER AND HELD

An elementary course for beginners. *Six hours credit.*

## 201-202. INTERMEDIATE GREEK

MESSRS. SHAFFER AND HELD

Selections from Xenophon and Homer. Prose composition. *Prerequisite:* Greek 101-102. *Six hours credit.*

## 311. GREEK LITERATURE IN ENGLISH (†)

MR. SHAFFER

Reading and study of selected masterpieces of Greek literature. Knowledge of Greek not required. *Three hours credit.*

312. GREEK MUSIC (†) MR. SHAFFER  
Greek musical theory and practice. *Prerequisite:* elementary knowledge of music and preferably of Greek. *Three hours credit.*
315. THE ANCIENT HISTORY OF THE NEAR EAST (†) MR. SHAFFER  
Survey of the ancient civilizations of southwestern Asia and of Egypt. Knowledge of Greek not required. *Three hours credit.*
316. GREEK HISTORY MR. SHAFFER  
A survey of Hellenic civilization from the earliest times to the Hellenistic age, with special emphasis on the sources. Knowledge of Greek not required. *Three hours credit.*
321. HERODOTUS MR. HELD  
Reading of selections, with lectures and reports on literary and historical background. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit.*
322. HOMER MR. HELD  
The *Iliad* or the *Odyssey*, with lectures and reports on literary and cultural backgrounds. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit.*
325. PLATO MR. HELD  
The *Apology* and *Crito*, with selections from other dialogues. A study of Socrates. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit.*
326. NEW TESTAMENT MR. SHAFFER  
Readings in Hellenistic Greek, with special attention to the language of the New Testament. *Prerequisites:* Greek 101-102 and 201-202. May be taken simultaneously with Greek 201-202. *Three hours credit.*
329. GREEK COMEDY MR. SHAFFER  
Selected plays in Greek and collateral readings in English. Lectures and reports on historical and literary backgrounds. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit.*
330. GREEK LYRIC POETRY AND PROSE COMPOSITION MR. SHAFFER  
A survey of Greek poetic literature and a review of syntax. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit.*
333. GREEK TRAGEDY (†) MR. HELD  
Selected plays with lectures and reports on the literary, religious, and philosophical background. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit.*

## 334. GREEK ORATORY

MR. HELD

Selected orations in Greek and the *Rhetoric* of Aristotle in English. *Prerequisites*: Greek 101-102 and 201-202. *Three hours credit*.

## 401. INDEPENDENT STUDY

STAFF

Open to advanced students with the consent of the department. *Hours and credit arranged*.

## HEALTH AND PHYSICAL EDUCATION

*Professor* BREAM; *Associate Professors* HAAS and KENNEY; *Assistant Professors* GLAD, HULTON, HUMMEL, and SHOEMAKER; and *Instructors* BISER, CARPENTER, COULL, KELLY, MITCHELL, and RIDINGER

The department offers a complete teacher training program, approved by the Pennsylvania State Council of Education, and open to both men and women. The department offers curricula leading to both the degree of Bachelor of Arts and the degree of Bachelor of Science, with a major in Health and Physical Education. Students enrolled in either of the above curricula must take all the courses listed in that curriculum, and such other courses as may be required

All women participating in the required physical education program must pass a standard swimming test before graduation.

## Physical Education

## 101, 102. SKILLS ACTIVITIES: MEN

STAFF

Participation in a variety of individual and team activities, with emphasis upon the acquisition of skills in tennis, soccer, volleyball, basketball, swimming, track and field, and golf. *Four hours credit*.

## 103, 104. SKILLS ACTIVITIES: WOMEN

STAFF

Women students have an optional-required program, based on a quarter system. Elective activities and required courses for eight credits will satisfy college requirements. *Four hours credit*.

## 201, 202. SKILLS ACTIVITIES: MEN

STAFF

An individual program of activities participation, based upon ability and progress, in tennis, football, wrestling, apparatus, tumbling, dancing, speedball, and golf. *Four hours credit*.

## 203, 204. SKILLS ACTIVITIES: WOMEN

STAFF



**301, 302. SKILLS ACTIVITIES: METHODS AND MATERIALS** **STAFF**

Methods and techniques of class organization and instruction in a variety of physical education activities. For men and women. *Four hours credit.*

**303, 304. SKILLS ACTIVITIES: METHODS AND MATERIALS** **STAFF**

Continuation of 301, 302. For men and women. *Four hours credit.*

**305. AQUATICS** **MR. COULL AND MISS MITCHELL**

Teaching methods and techniques in basic strokes, diving, life-saving, and water safety. Repeated second semester. *Two hours credit.*

**307, 308. COACHING AND OFFICIATING** **MESSRS. HAAS AND SHOEMAKER**

Theory and practice in the fields of coaching and officiating. First semester open to men only. *Four hours credit.*

### **Health and Physical Education**

**111. INTRODUCTION TO HEALTH, PHYSICAL EDUCATION,  
AND RECREATION** **MISS KENNEY**

A general survey of the fields of health education, physical education, recreation, and camping. *Three hours credit.*

**212. PRINCIPLES AND CURRICULUM PLANNING** **MR. GLAD**

An evaluation of principles and their application in planning a modern physical education program. *Three hours credit.*

**311. PERSONAL HEALTH** **MISS KENNEY**

Practical aspects of the everyday life of the individual in respect to personal health. Special emphasis is placed upon the acquisition of desirable attitudes toward personal health. *Three hours credit.*

**314. SCHOOL AND COMMUNITY HEALTH PROBLEMS**  
**MISSES KENNEY AND MITCHELL**

The role of official and non-official community organizations in the health of the individual, from the viewpoint of administration and service. *Three hours credit.*

**317. ANATOMY AND PHYSIOLOGY** **MR. GLAD**

A combination theoretical and practical study of human structure and function. Analysis of the effects of health and physical education activities on the body. *Three hours credit.*

## 318. PHYSIOLOGY OF EXERCISE AND CORRECTIVES

A study of motion, with particular emphasis placed upon body mechanics, and of the remedial steps necessary in overcoming specific physical handicaps. *Three hours credit.*

## 325. ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

MR. HAAS

Legal and administrative problems, personnel relations, social interpretation, budget and finance, plant and office management. Senior course. *Three hours credit.*

## 329. FIRST AID AND SAFETY EDUCATION

MR. BISER

The official Beginners' Red Cross First Aid course, with emphasis on the practical aspects of symptom recognition and safety. *One hour credit.*

## 332. MEASUREMENTS AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION

MR. BISER

Written and practical tests in the fields of health and physical education. *Three hours credit.*

## 350. INTRODUCTION TO RESEARCH IN HEALTH AND PHYSICAL EDUCATION

MR. GLAD

Fundamental techniques in research. A survey of research completed and needed. Includes a practicum. *Three hours credit.*

## HISTORY

*Professor BLOOM; Associate Professors CRAPSTER and GLATFELTER; and Instructors ALEXANDER and BUGBEE*

Requirements for a major include History 201, 202, 231, 232 (in the sophomore year), 375 (in the junior year), and 402 (in the senior year). French 316, German 211-212, Greek 316, and Latin 314 may be counted in fulfilling the hour requirements for a major. English majors and prelegal students are advised to take History 203, 204.

## 201, 202. HISTORY OF WESTERN CIVILIZATION

MR. ALEXANDER

From preliterate times to the present, describing the growth of social institutions. *Six hours credit.*

## 203, 204. HISTORY OF ENGLAND

MR. CRAPSTER

From Roman times to the present, emphasizing institutional and cultural developments. *Six hours credit.*

## 231, 232. HISTORY OF THE UNITED STATES

MESSRS. GLATFELTER AND BUGBEE

From the discovery of America to the present. *Six hours credit.*

## 234. AMERICAN ECONOMIC HISTORY

MR. BUGBEE

Economic life and forces throughout American history. *Three hours credit.*

## 311, 312. MEDIEVAL EUROPE TO 1500

MR. ALEXANDER

Medieval European history from the late Roman Empire through the High Middle Ages and the early Renaissance. *Prerequisite:* History 201. *Six hours credit.*

## 313. EUROPE FROM THE RENAISSANCE TO 1763

MR. CRAPSTER

European history in the early modern period in its world setting—the Renaissance, the Reformation, the growth of national states, and the Enlightenment. *Prerequisite:* History 201 and 202. *Three hours credit.*

## 314. EUROPE IN THE FRENCH REVOLUTIONARY AND NAPOLEONIC ERAS

MR. CRAPSTER

An intensive study of political, social, economic, and intellectual developments. *Prerequisite:* History 201 and 202. *Three hours credit.*

## 315. EUROPE FROM 1815 TO 1919

MR. CRAPSTER

European history in its world setting from the Congress of Vienna to the end of the First World War. *Three hours credit.*

## 316. EUROPE SINCE 1919 (†)

MR. CRAPSTER

Recent European history in its world setting. *Three hours credit.*

## 321, 322. HISTORY OF RUSSIA (†)

MR. ALEXANDER

A survey emphasizing the period from 1682 to 1939. *Prerequisites:* History 201 and 202. *Six hours credit.*

## 331. AMERICAN CONSTITUTIONAL HISTORY

MR. BLOOM

Origins and historical development of the Constitution of the United States, considering its political theories, judicial interpretation, and institutional forms. *Prerequisites:* History 231 and 232. *Three hours credit.*

## 332. DIPLOMATIC HISTORY OF THE UNITED STATES

MR. GLATFELTER

A survey of American foreign policy and its effects since 1776. *Prerequisites:* History 231 and 232. *Three hours credit.*

341. THE AMERICAN COLONIAL PERIOD MR. BUGBEE  
The colonial period before 1763, with emphasis upon economic, social, and constitutional development. *Prerequisite:* History 231. *Three hours credit.*
345. CIVIL WAR AND RECONSTRUCTION MR. BLOOM  
The sectional conflict in American history from the War with Mexico in 1846 to the end of Reconstruction in 1877. *Prerequisite:* History 231. *Three hours credit.*
349. THE UNITED STATES FROM 1899 TO 1939 MR. GLATFELTER  
An intensive study of this important forty-year period with emphasis upon economic and social development. *Prerequisite:* History 232. *Three hours credit.*
350. THE UNITED STATES SINCE 1939 MR. BLOOM  
A continuation of History 349 with major emphasis upon recent domestic developments in the United States in relation to world affairs. *Prerequisite:* History 232. *Three hours credit.*
354. HISTORY OF PENNSYLVANIA (†) MR. GLATFELTER  
A study of the Commonwealth from colonial days to the present. *Prerequisites:* History 231 and 232. *Three hours credit.*
375. HISTORICAL METHOD MR. GLATFELTER  
Methods in historical research, historical writing, and different views of history. *Three hours credit.*
401. SENIOR SEMINAR STAFF  
A small seminar, open only to senior majors of high standing and only on the invitation of the instructor, will examine related topics in history. Research papers written during the course of the seminar may be submitted in lieu of the History 402 thesis. Repeated second semester. *Three hours credit.*
402. SENIOR RESEARCH THESIS STAFF  
The criticism and use of historical sources in the preparation of a senior thesis. *Prerequisite:* History 375. *Two hours credit.*

## LATIN

*Professor GLENN and Assistant Professor HELD*

Requirements for a major include Latin 203, 204, 301-302, 315, 322, 323, 324, 325, 326, and 331. Students planning to do graduate work in Latin should take college Greek courses.



Latin 201-202 may be used to meet the foreign language requirement above the 101-102 course or for the second language requirement. Latin 203, 204, 321, 322, 324, 325, 326, and 331 may be used in fulfilling the language requirement above the 101-102 course, the literature requirement, or the second language requirement.

## 201-202. VERGIL

MR. GLENN

Selections from the *Aeneid*. *Prerequisite*: two years of secondary school Latin. *Six hours credit*.

## 203. ROMAN PROSE AND POETRY

MR. GLENN

Selections from Livy, Catullus, and other authors. *Prerequisite*: four years of secondary school Latin or Latin 201-202. *Three hours credit*.

## 204. HORACE

MR. GLENN

Selections from the *Odes*, *Epodes*, *Satires*. *Three hours credit*.

## 301-302. LATIN PROSE COMPOSITION

MR. GLENN

*Two hours credit*.

## 303, 304. WORD BUILDING

MR. GLENN

For premedical students and those of other sciences who desire to become familiar with scientific terminology—roots, prefixes, endings, and key words. The knowledge of Latin, while very useful, is not required. *Two hours credit*.

## 312. LATIN LITERATURE IN ENGLISH (†)

MR. HELD

A historical and critical survey of Roman Literature with a more intensive study of selected works. Attention is given to the relation of Roman Literature to other literatures. A knowledge of Latin is not required. *Three hours credit*.

## 315. ROMAN HISTORY AND CIVILIZATION

MR. HELD

The history of the Republic and the Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, private life, etc., and their influence on modern life. A knowledge of Latin is not required. *Three hours credit*.

## 321. ROMAN COMEDY (†)

MR. HELD

Selections from Plautus and Terence. Survey of the Roman Theatre; origin and development of Roman drama. *Three hours credit*.

## 322. CICERO'S LETTERS

MR. HELD

Life and literature in Cicero's time. *Three hours credit*.

## 323. ROMAN LAW

MR. GLENN

Development and content of Roman Private Law. A knowledge of Latin is not required. Alternates with Latin 325. *Two hours credit.*

## 324. ROMAN PHILOSOPHY

MR. GLENN

Lucretius, *On the Nature of Things*. Alternates with Latin 326. *Two hours credit.*

## 325. MEDIEVAL LATIN (†)

MR. GLENN

Selections representing history, anecdote, the epistle, the drama, the essay, the dialogue, the novel, and epic lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth to the seventeenth centuries. Alternates with Latin 323. *Two hours credit.*

## 326. ROMAN ELEGY (†)

MR. GLENN

Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research. Alternates with Latin 324. *Two hours credit.*

## 331. ST. AUGUSTINE

MR. HELD

Selections from the first nine books of *The Confessions*. An introduction to the life and thought of the greatest of the Latin Church Fathers. *Three hours credit.*

## MATHEMATICS

*Professor ARMS; Associate Professors MOORHEAD and ZIEGLER; Assistant Professors BUTTERFIELD and FRYLING*

Requirements for a major include Mathematics 205-206 and nine hours chosen from Courses 301-302, 303-304, 305-306, 307-308, 311-312, 313-314, 315-316, 321-322, 323-324, 325-326, 327-328, 341, 342, and 343, 344. With adviser's approval Mathematics 351, Mathematics 352, and Mathematics 353-354 may be used as part of the course requirements for a major in Economics.

## 101. COLLEGE ALGEBRA

MESSRS. BUTTERFIELD, MOORHEAD, AND ZIEGLER

A review of elementary algebra, the elementary theory of equations, complex numbers, the binomial theorem. *Prerequisite:* one unit of algebra. *Three hours credit.*

## 102. PLANE TRIGONOMETRY

MESSRS. BUTTERFIELD, MOORHEAD, AND ZIEGLER

Definitions and properties of the trigonometric functions; solutions of triangles. *Three hours credit.*

## 103-104. INTRODUCTORY COLLEGE MATHEMATICS

MESSRS. BUTTERFIELD AND MOORHEAD

An introduction to the fundamental concepts of Mathematics and the nature of Mathematics itself. Emphasis is placed upon principles and ideas rather than techniques. *Prerequisites*: one unit of algebra and one unit of geometry. *Six hours credit*.

## 105-106. ELEMENTARY ANALYSIS

MESSRS. MOORHEAD AND ZIEGLER

A review of advanced algebra, trigonometry, plane analytical geometry, and introduction to calculus. *Prerequisite*: three units in mathematics including trigonometry. *Six hours credit*.

## 201-202. ANALYTICAL GEOMETRY AND CALCULUS

MR. ARMS

The essentials of analytical geometry, differential and integral calculus. For freshmen majoring in Mathematics or Physical Science or for sophomores who have superior grades in Mathematics 101 and 102. This course is equivalent to Mathematics 105-106 and Mathematics 205-206. *Eight hours credit*.

## 203-204. ANALYTICAL GEOMETRY

MR. ZIEGLER

Plane and solid analytical geometry, and an introduction to calculus. *Prerequisites*: Mathematics 101 and 102, or the equivalent. *Six hours credit*.

## 205-206. DIFFERENTIAL AND INTEGRAL CALCULUS

MR. FRYLING

The fundamental formulae of differentiation and integration, with applications. *Prerequisite*: Mathematics 105-106 or 203-204. *Six hours credit*.

## 301-302. MODERN ALGEBRA: MATRICES AND VECTOR SPACE

MR. FRYLING

An introduction to linear algebra, matrices, and quadratic forms. For the student of modern physics and allied subjects. *Prerequisite*: Mathematics 105-106 or 203-204. *Four hours credit*.

## 303-304. MODERN ALGEBRA: PROBABILITY

MR. FRYLING

The basic concepts of logic and finite sets applied to probability theory. *Prerequisite*: Mathematics 105-106 or 203-204. *Four hours credit*.

## 305-306. MODERN ALGEBRA: THEORY OF EQUATIONS

MR. FRYLING

General theory of the solution of equations with an introduction to the theory of finite groups. *Prerequisite*: Mathematics 105-106 or 203-204. *Four hours credit*.

- 307-308. INTRODUCTION TO MATHEMATICAL STATISTICS      MR. FRYLING  
Elementary probability, frequency functions, sampling theory, correlation and regression, and general principles for testing hypotheses. *Prerequisite:* Mathematics 205-206. *Six hours credit.*

- 311-312. MODERN GEOMETRY: COLLEGE GEOMETRY (SYNTHETIC)  
MR. MOORHEAD  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 313-314. MODERN GEOMETRY: ANALYTICAL GEOMETRY OF SPACE  
MR. MOORHEAD  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 315-316. MODERN GEOMETRY: PROJECTIVE GEOMETRY (SYNTHETIC)  
MR. MOORHEAD  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 321-322. MODERN ANALYSIS: DIFFERENTIAL EQUATIONS      MR. ARMS  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 323-324. MODERN ANALYSIS: HIGHER CALCULUS AND THEORY OF EQUATIONS  
MR. FRYLING  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 325-326. MODERN ANALYSIS: THEORY OF FUNCTIONS OF A COMPLEX VARIABLE  
MR. FRYLING  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 327-328. MODERN ANALYSIS: THEORY OF FUNCTIONS OF REAL VARIABLES  
MR. ARMS  
Offered for qualified students with the approval of the Mathematics adviser.  
*Prerequisite:* Mathematics 205-206. *Four hours credit.*

- 341, 342. METHODS OF TEACHING      MR. ZIEGLER  
Methods of teaching high school mathematics supplemented with practice teaching and observation. *Four hours credit.*



## 343, 344. READING COURSE

MR. MOORHEAD

Supervised reading in pure and applied mathematics for junior and senior majors. *Coference hours and credit hours arranged.*

## 351. MATHEMATICS OF INVESTMENT

MR. ZIEGLER

Compound interest as applied to annuities, life insurance, and depreciation. *Prerequisite:* Mathematics 101. *Three hours credit.*

## 352. ELEMENTARY STATISTICS

MR. ZIEGLER

Statistical concepts, methods of organizing and interpreting data. A study of mean, mode, median, correlation, and index number. *Prerequisite:* Mathematics 101. *Three hours credit.*

## 353-354. COSTS AND DEPRECIATION

MR. ARMS

An introduction to cost accounting. *Prerequisite:* Economics 251-252. *Six hours credit.*

## MUSIC

*Professors* WAGNILD and SHAFFER; *Associate Professor* ACKLEY; *Assistant Professor* DANFELT; *Instructors* BUDDÉ and KADEL; *Private Music Teachers* HEIKKINEN, MUMMERT, and SPRINGER; *and* MR. PETERSON

The degree of Bachelor of Science in Music Education will be awarded to those who wish to complete requirements for teaching or supervising music in the elementary and secondary schools. For further information see page 64.

Requirements for a major in music leading to a Bachelor of Arts degree comprise a minimum of twenty-four hours, including Music 203-204, 301-302, 311-312, and 321-322, and other courses upon the advice of the chairman of the department.

Requirements in applied music are as follows: (1) two years' participation in an authorized group organization, and two years of private instruction in voice, piano, organ, or instrument authorized by the department (a thesis or additional private study may be substituted for group participation at the discretion of the department); and (2) presentation of a recital in the junior or senior year (in special cases a standard proficiency test may be substituted for a recital).

A musical aptitude test will be required of the student before he is accepted as a Music major.

Individual instruction in voice, piano, and organ under the supervision of the department is offered by appointment.

Music 101, 103, and 104 may be used in fulfilling the appreciation requirement.

## 101. APPRECIATION OF MUSIC

MESSRS. SHAFFER AND DANFELT

The principal musical forms against the background of the other arts. Repeated second semester. *Two hours credit.*

103. APPRECIATION OF THE SYMPHONY      MESSRS. SHAFFER AND DANFELT  
Historical backgrounds and analyses of symphonic forms. *Two hours credit.*
104. APPRECIATION OF MUSIC DRAMA      MR. SHAFFER  
A review of the history of opera and analyses of examples as drama and as music. *Two hours credit.*
- 111-112. WOODWIND INSTRUMENT CLASS      MR. DANFELT  
The technique and tone control of woodwind instruments, using the clarinet as the basic instrument. *Two hours credit.*
- 113-114. BRASS INSTRUMENT AND PERCUSSION CLASS      MR. DANFELT  
Instruction in the technique and principles of tone control in the brasses with trumpet or cornet as the basic instrument, and a practical study of all percussion instruments used in band and orchestra. *Two hours credit.*
- 115-116. STRINGED INSTRUMENT CLASS      MR. MUMMERT  
A laboratory course for beginners in the organization and techniques of stringed instruments instruction. *Two hours credit.*
- 141-142. SIGHT-SINGING AND DICTATION      MISS KADEL  
The singing and writing of diatonic intervals, triads, rhythmic patterns and melodies. *Four hours credit.*
201. ADVANCED SIGHT-SINGING AND DICTATION      MISS KADEL  
The development of musical memory and the writing and singing of difficult rhythmic patterns, intervals, and melodic phrases; aural and visual analysis of harmonic structures. *Two hours credit.*
- 203-204. HARMONY      MR. WAGNILD  
Scale and chord structure, chord relationship, non-chordal tones, simple modulation. *Six hours credit.*
- 205-206. CHORAL AND INSTRUMENTAL CONDUCTING      MR. WAGNILD  
Technique of the baton, fundamentals of choral and instrumental interpretation, problems of organization and maintenance of groups, survey of suitable materials, and program building. *Four hours credit.*
220. ELEMENTARY METHODS      MISS KADEL  
Materials and methods of teaching in the elementary grades. Psychology of presenting these materials to children. Study of the child voice and the development of good tone, rhythm, and a feeling for music. Music appreciation and classroom procedure. *Three hours credit.*

**221. JUNIOR AND SENIOR HIGH SCHOOL METHODS****MISS KADEL**

The principles and procedures in teaching music in the junior and senior high schools. Emphasis on the study of the adolescent voice and its care, and on the methods and materials relative to the organization of various singing and playing ensembles. Evaluation of material, methods, and techniques. *Three hours credit.*

**301-302. ADVANCED HARMONY****MR. WAGNILD**

Special emphasis on modulation and use of chromatic alterations of diatonic chords in harmonizing melodies. Aural approach to harmonic effects. *Six hours credit.*

**303-304. COUNTERPOINT****MR. PETERSON**

Introduction to the contrapuntal technique of the sixteenth century; composition in the small forms. *Four hours credit.*

**305. ORCHESTRATION****MR. DANFELT**

Transposing and arranging music for various instrumental groups. Creative work. *Three hours credit.*

**311-312. HISTORY OF MUSIC****MR. ACKLEY**

A survey of the development of musical art from ancient to modern times. *Six hours credit.*

**321-322. MUSICAL FORM AND ANALYSIS****MR. ACKLEY**

Motive, phrase, period, and analysis of the construction of these, along with binary and ternary forms of composition, the invention, fugue, sonata, and symphony. *Prerequisite: Music 203-204. Four hours credit.*

**351. STUDENT TEACHING**

Student observation and teaching in cooperation with and under the supervision of experienced teachers. Discussions and individual conferences. Repeated second semester. *Twelve hours credit.*

### **Applied Music**

The Music Department offers instruction in voice, piano, pipe organ, and the more common instruments. One hour credit is given for one half-hour private lesson per week each semester.

The department also sponsors various musical organizations, including the choir, band, and orchestra. All regular students are eligible to try out for any of these. Auditions are held at the beginning of the school year, or at other times by appointment.

One hour credit is given per semester for membership in the choir or band upon the student's completion of four hours of course instruction in the Music Department, exclusive of Music 101, 103, and 104.

No student may offer more than eight hours of applied music towards a Bachelor of Arts degree.

#### 121. VOICE

Training in fundamentals of voice culture with emphasis upon breath control, resonance, tone quality, diction, pronunciation, and an appreciation of the best works of the masters. Repeated second semester. *One hour credit.* Fee for one half-hour lesson per week per semester: \$35.

#### 123. PIANO

Development of touch, technique, rhythm, expression, and interpretation. Repertoire adapted to ability of the student. Repeated second semester. *One hour credit.* Fee for one half-hour lesson per week per semester: \$35. Fee for forty minute lesson per week per semester: \$40.

#### 125. PIPE ORGAN

Acquisition of technique and independence in playing upon the manuals and pedals. Repertoire adapted to ability of the student. *Prerequisite:* satisfactory piano technique. Repeated second semester. *One hour credit.* Fee for one hour lesson per week per semester: \$45.

#### 127. INSTRUMENTAL INSTRUCTION

Available in most common instruments. Repertoire adapted to ability of the student. Repeated second semester. *One hour credit.* Fee for one half-hour lesson per week per semester: \$35.

#### 131. CHOIR

The choir is composed of approximately sixty singers of both sexes chosen by audition. The best of choral literature is studied intensively. In addition to appearances in nearby cities, a ten-day concert tour is taken each spring. Five rehearsals weekly. *One hour credit.*

#### 133. BAND

Membership in the band, which is open to men and women alike, depends entirely on the individual's musical ability and interest. The band plays at athletic events, and during the second semester gives concerts on the campus and in nearby cities. Three rehearsals weekly. *One hour credit.*



## PHILOSOPHY

*Professor RICHARDSON; Associate Professor SCHUBART; and Instructor COULTER*

The courses in Philosophy offer a study of the questions men have asked and the answers that they have proposed when they have reflected upon the major problems they have faced. An emphasis is placed upon the methods of inquiry, and on the relation of philosophy to the natural sciences, the social studies, and the humanities.

Philosophy 201 or 301 and 302 is prerequisite for all others, unless permission is obtained from the department. Requirements for a major are thirty hours as chosen in consultation with the department. Bible 311 and 316, and Greek 325 may be included with permission of the department.

### 201. INTRODUCTION TO PHILOSOPHY

MR. RICHARDSON

The main approaches to philosophy: scientific, aesthetic, ethical, and religious. Their assumptions, methods, and results will be analyzed with a view to giving the student both the tools and the motive for building his own philosophy. *Three hours credit.*

### 301. LOGIC

MESSRS. SCHUBART AND COULTER

The principles of clarity in language and structure in thought, and their application. *Three hours credit.*

### 302. LOGIC

MESSRS. SCHUBART AND COULTER

The principles involved in attaining reliable knowledge of any subject matter, with emphasis on the humanities and social sciences. *Prerequisite: Philosophy 301. Three hours credit.*

### 303-304. HISTORY OF PHILOSOPHY

MR. COULTER

The development of thought concerning man and his place in the universe from the Greeks to the eighteenth century. *Six hours credit.*

### 305. HISTORY OF ETHICS

MR. SCHUBART

The most significant philosophies of ethics from the Greeks to the present. *Three hours credit.*

### 306. PRINCIPLES OF ETHICS

MR. SCHUBART

An analysis of the principles of ethics, such as value, obligation, and law, and their application to individual and social problems. *Prerequisite: Philosophy 305. Three hours credit.*

### 308. AESTHETICS

MR. SCHUBART

A study of the various philosophies of the creation, the appreciation, and the evaluation of works of art. *Three hours credit.*

## 320. NINETEENTH CENTURY PHILOSOPHY

MR. RICHARDSON

A study of the major philosophies of the nineteenth century, especially the philosophical idealism of Kant and Hegel as a criticism of the Enlightenment and as a major constructive attempt, as well as the major critics of idealism: Kierkegaard, Marx, and Nietzsche. *Three hours credit.*

## 321. TWENTIETH CENTURY PHILOSOPHY

MR. SCHUBART

An analysis of contemporary philosophies including realism, pragmatism, logical empiricism, experimental naturalism, and existentialism. The course is conducted as a seminar, and offers each student the opportunity to make a thorough study of one contemporary philosopher or philosophy. *Three hours credit.*

## 331. PHILOSOPHY OF RELIGION

MR. RICHARDSON

An historical and systematic study of our present religious beliefs. *Three hours credit.*

## 333. THE PHILOSOPHY OF SCIENCE

MR. COULTER

A study of scientific knowledge: the ideals, presuppositions, methods, and values which its proponents and opponents have thought to be characteristic of it. Special emphasis will be placed upon the contributions of logical analysis to the clarification or resolution of these issues. *Three hours credit.*

## 334. PHILOSOPHY OF HISTORY

MR. COULTER

An examination of the nature of human history and its importance for an understanding of the human situation; an analysis of the kinds of knowledge we can acquire from the study and interpretation of historical facts. *Three hours credit.*

## 401. INDEPENDENT STUDY

STAFF

With the consent of the department senior majors may take a course of directed reading under the supervision of individual members of the staff. Repeated second semester. *Credit arranged.*

## 402. SENIOR SEMINAR

MR. RICHARDSON

An advanced seminar for philosophy majors, in which one contemporary problem will be studied, and solutions suggested from the varying points of view of major philosophical thinkers. *Three hours credit.*

## PHYSICS

*Professor MARA; Assistant Professors DANIELS, HASKINS, and SCOTT; Instructor HOMAN; and Lecturer CORBIN*

Courses in the Department of Physics are designed to emphasize analytical reasoning and the unifying principles of physics, as distinct from the mere accumulation of facts and techniques.

Students majoring in physics and pre-engineers normally take Physics 111-112 and Mathematics 201-202 or 105-106 in the freshman year. Because of graduate school requirements and of the wide literature of physics in German and Russian, majors are strongly urged to fulfill their language requirement in one of these languages.

Physics majors should plan to complete Mathematics 321-322 and 323-324 as soon as possible. Honors students majoring in physics normally take the Physics Seminar 411-412 in the junior year and Physics Seminars 421-422 and 431-432 in the senior year. Qualified students who are not physics majors are also encouraged to take the honors seminar courses. Seminars usually meet for one afternoon a week. Students in seminar courses should be prepared to do extensive reading and studying on their own.

### 101-102. GENERAL PHYSICS

MR. SCOTT

A course designed for students not majoring in science or mathematics. The primary aims are 1) to acquaint the student with the nature and methods of physical theory and experiment by a systematic development of the essentials of mechanics and electricity, and 2) to provide the student with an understanding of modern physics sufficient to enable him to think intelligently about the varied consequences of modern physical theory. *Prerequisite:* competence in the algebra usually covered in two years of high school algebra or the permission of the instructor. Three class hours and three laboratory hours. *Eight hours credit.*

### 105. DESCRIPTIVE GEOMETRY

MR. CORBIN

The use and care of instruments. Lettering. The theory of projection drawing in preparation for solving engineering problems by projection and revolution of points, lines, and planes. Required for all pre-engineering students. Does not count toward a major or minor in Physics. Six hours. *Two hours credit.*

### 106. ENGINEERING DRAWING

MR. CORBIN

Intersections and developments. Assembly and detail drawings. Sections and dimensions. Required for all pre-engineering students. *Prerequisite:* Physics 105 or approval of instructor. Does not count toward a major or minor in Physics. Six hours. *Two hours credit.*

**111-112. INTRODUCTORY PHYSICS****MR. MARA**

An introduction to the fields of mechanics, heat, electricity, magnetism, and light. This course or its equivalent is a prerequisite for any advanced course in Physics. The rudiments of calculus are introduced and used throughout. *Prerequisite:* Mathematics 105-106 or 201-202 (may be taken concurrently). Three class hours, one conference hour, and a laboratory period. *Eight hours credit.*

**201-202. ENGINEERING MECHANICS****MR. DANIELS**

The fundamental principles of statics and dynamics with emphasis on analysis and problem solving. Required for all pre-engineering students. *Prerequisites:* Physics 111-112 and calculus. *Six hours credit.*

**205. INTRODUCTION TO MODERN PHYSICS****MR. SCOTT**

A study of the experimental phenomena and their interpretation leading to modern atomic theory. Special relativity, atomic particles, photoelectric effect, x-rays, wave-particle duality, Bohr atom. *Prerequisites:* Physics 111-112 and calculus or permission of the instructor. Three class hours and three laboratory hours. *Four hours credit.*

**212. INTERMEDIATE MECHANICS AND HEAT****MR. SCOTT**

Vector mechanics preceded by a brief introduction to vector algebra. Newton's laws of motion, energy, and momentum. Central forces, harmonic oscillator. Introduction to the kinetic theory of gases, first and second laws of thermodynamics. *Prerequisites:* Physics 111-112 and calculus or the permission of the instructor. Three class hours and three laboratory hours. *Four hours credit.*

**301-302. ELECTRONICS****MR. DANIELS**

Analysis of direct and alternating current circuits, principles of electron tubes and semi-conductor devices, circuits with tubes and transistors. *Prerequisites:* Physics 111-112 and calculus. Three class hours and three laboratory hours. *Eight hours credit.*

**311-312. ELECTRICITY AND MAGNETISM****MR. MARA**

The theory of classical electric and magnetic static fields and electromagnetic fields. An introduction to vector calculus is given at the start of the course. *Prerequisites:* Physics 111-112 and calculus. *Six hours credit.*

**321-322. THEORETICAL PHYSICS****MR. MARA**

Advanced classical mechanics including Lagrange and Hamilton equations of motion. Selected topics in thermodynamics, kinetic theory, statistical mechanics and the partial differential equations and special functions of physics. *Prerequisites:* Physics 111-112 and Mathematics 321-322. *Six hours credit.*



## 331-332. MODERN PHYSICS

MR. HASKINS

The topics covered are special relativity, Planck's theory of black body radiation, quantum mechanics, atomic structure, quantum statistics, band theory of solids, nuclear structure, systematics of nuclear stability, nuclear models, nuclear forces, nuclear reactions, and particles. *Prerequisites:* Physics 205 and 311-312 and Mathematics 321-322. Three class hours and three laboratory hours. *Eight hours credit.*

## 411-412. ELECTRICITY AND MAGNETISM SEMINAR

MR. MARA

Covers the same fields as Physics 311-312. *Prerequisites:* Physics 111-112, calculus, and permission of the instructor. One seminar afternoon. *Six hours credit.*

## 421-422. THEORETICAL PHYSICS SEMINAR

MR. MARA

Covers the same fields as Physics 321-322. *Prerequisites:* Physics 111-112, Mathematics 321-322 and permission of the instructor. One seminar afternoon. *Six hours credit.*

## 431-432. MODERN PHYSICS SEMINAR

MR. HASKINS

Covers the same fields as Physics 331-332. *Prerequisites:* Physics 205 and 311-312, Mathematics 321-322 and permission of the instructor. One seminar afternoon and one laboratory afternoon. *Eight hours credit.*

## 451-452. INDEPENDENT STUDY IN PHYSICS

STAFF

Experimental or theoretical study or research under the direct supervision of a staff member. Work is normally reported in a paper. *Prerequisites:* open to upper-class science and mathematics majors with the approval of the department. Conference hours and laboratory hours arranged, either or both semesters. *Credit hours arranged.*

## POLITICAL SCIENCE

*Professor* JARVIS; *Assistant Professor* HARNED; *Instructors* BOENAU and KNOX

Students majoring in Political Science are required to complete a minimum of twenty-four semester hours, including Political Science 201, 202, and either 351 or 352. In addition, majors are required to take Economics 203. Sociology 311 may be counted in fulfilling the hour requirements for a major. Students who require only three credits in Political Science should take Political Science 201. Political Science 311 and 312 are especially recommended for prelegal students.

## 201. AMERICAN GOVERNMENT

STAFF

An introduction to the study of government and politics, serving both as a basis for more advanced study in this field and also as a source of basic political information for the student who takes only one course in this field

as part of a liberal education. Government at the national level—constitutional principles and development; the individual and government; the democratic political process; federal institutions and powers. Repeated second semester. *Three hours credit.*

202. AMERICAN GOVERNMENT

STAFF

Federal administrative organization and functions; domestic and foreign policies and problems; state constitutions and governmental structure; units and forms of local government; current trends. *Three hours credit.*

301. FOREIGN GOVERNMENTS (EUROPE)

MR. BOENAU

Principles and practices underlying the organization and operation of principal governments of Europe. *Three hours credit.*

302. FOREIGN GOVERNMENTS (ASIA)

MR. BOENAU

*Three hours credit.*

303. FOREIGN GOVERNMENTS (LATIN AMERICA)

MR. JARVIS

*Three hours credit.*

311. CONSTITUTIONAL LAW

MR. JARVIS

Case studies of Supreme Court decisions involving the powers of the legislative, executive, and judicial branches of government. *Three hours credit.*

312. CONSTITUTIONAL LAW

MR. JARVIS

Case studies of Supreme Court decisions involving the powers of state governments, constitutional protections of individual rights. *Three hours credit.*

315. INTERNATIONAL LAW AND ORGANIZATION

MR. JARVIS

The international community and its organization; status of members; jurisdiction over land, sea, and air; nationals and aliens; international agents and agreements; procedures for adjusting international differences; techniques of international cooperation. Offered second semester, 1960-1961. *Three hours credit.*

331. POLITICAL PARTIES

MR. JARVIS

Politics and the politician, party evolution, organization, procedures, policies, and prospects. Emphasis is placed on evaluation of current political party developments and trends. *Three hours credit.*

341. INTERNATIONAL RELATIONS

MR. KNOX

National policies of major world powers in the postwar world against the background of geographic, economic, demographic, and strategic influences,

with special emphasis on the role of the United States in current world developments. *Three hours credit.*

342. AMERICAN FOREIGN POLICY

MR. KNOX

The machinery and processes involved in foreign policy determination, past and present problems of American foreign policy and current developments, commitments in special areas, the United Nations, and foreign policy. *Three hours credit.*

351. HISTORY OF POLITICAL THOUGHT

MISS HARNED

The evolution of Western political thought from ancient to modern times, as expressed in the writings of the great political philosophers of history. *Three hours credit.*

352. MODERN POLITICAL THOUGHT

MISS HARNED

Contemporary political doctrines. A critical analysis of rival ways of life in the modern world. *Three hours credit.*

402. SENIOR SEMINAR

STAFF

The integration of subject matter taken in the field of Political Science; training in locating research materials and in presenting individual reports, both oral and written; preparation of majors for comprehensives and for graduate work. Open only to senior majors with permission of the department chairman. *Three hours credit.*

## PSYCHOLOGY

Professor SMOKE; Associate Professor PLATT; Assistant Professors FRANK, OSTRANDER, SHAND, and WOOD

Psychology 201 is a prerequisite for all other courses in the department. Requirements for a major include Psychology 201, 231, 305, 341, and 344, and nine additional hours, as approved by the department. Students looking forward to being recommended for admission to graduate school will be expected to take Psychology 311 and 312.

Psychology majors are advised to take Psychology 311 and 312 no later than their junior year.

At least one year of postgraduate work is almost always required of applicants for positions in psychology.

201. GENERAL PSYCHOLOGY

STAFF

Introductory survey of the facts and principles of psychology, including the study of human motivation, emotion, perception, thought, intelligence, and personality. Some attention is given to the applications of psychology. Repeated second semester. *Three hours credit.*

## 205. APPLIED PSYCHOLOGY (†)

Applications of psychology to such specific areas as market research, public opinion polling, guidance and counseling, criminology, and getting a job. Outside readings and reports in areas of student's special interests. *Three hours credit.*

## 210. BUSINESS AND INDUSTRIAL PSYCHOLOGY

MR. OSTRANDER

Application of psychological principles and techniques to the study of problems in business and industry. *Three hours credit.*

## 214. SOCIAL PSYCHOLOGY

MESSRS. SMOKE AND OSTRANDER

Psychological study of human experience and behavior in social situations. *Three hours credit.*

## 220. MENTAL HYGIENE

MESSRS. SMOKE AND FRANK

Principles of personal adjustment and the use of these principles in everyday living. The understanding of one's self with respect to abilities, interests, attitudes, and traits of personality. *Three hours credit.*

## 225. CHILD AND ADOLESCENT PSYCHOLOGY

MRS. WOOD

The growth and development of the child and adolescent, including such topics as learning, maturation, perceptual development, and social behavior. Some attention is given to the exceptional child. *Three hours credit.*

## 231. PSYCHOLOGICAL STATISTICS

MESSRS. PLATT AND OSTRANDER

A study of statistics commonly used in research in psychology, including measures of central tendency, variability, correlation, and reliability. *Three hours credit.*

## 301. HUMAN RELATIONS

MR. OSTRANDER

Discussion and criticism of recent research in communication, social perception, and other topics bearing on human interaction. Directive and non-directive interviewing and study of social-science methodology will be considered. Opportunity will be given for independent research on topics of special interest to the individual student. *Three hours credit.*

## 305. EXPERIMENTAL PSYCHOLOGY

MR. PLATT

An introduction to experimental methods and design. Methods of control and the treatment and interpretation of data are emphasized. Laboratory work and selected readings. Open only to junior and senior majors. Two class hours and one three-hour laboratory period. Repeated second semester. *Three hours credit.*



**311. PSYCHOLOGICAL TESTS AND MEASUREMENTS** **MR. SHAND**

Basic principles in the development of reliable and valid tests, rating scales, questionnaires, inventories, situational tests, and other devices designed to reveal measurable characteristics of personality and behavior. Two class hours and two laboratory hours. *Three hours credit.*

**312. PSYCHOLOGICAL TESTS AND MEASUREMENTS** **MR. SHAND**

Introduction to individual and group tests of intelligence and to projective techniques. Opportunity will be given for carrying out individual research projects involving the development and use of tests. *Prerequisite:* Psychology 311. Two class hours and two laboratory hours. *Three hours credit.*

**317. PSYCHOLOGY OF LEARNING** **MESSRS. PLATT AND FRANK**

Recent investigations in all phases of learning, including a study of factors affecting the efficiency of human learning and retention. An introductory survey of contemporary learning theories is included. *Prerequisite:* six hours credit in Psychology. *Three hours credit.*

**321. PSYCHOLOGY OF PERSONALITY** **MR. SMOKE**

The nature of personality, together with the methods and results of its study. *Three hours credit.*

**326. ABNORMAL PSYCHOLOGY** **MR. SHAND**

Abnormalities of personality and behavior in mentally handicapped, deviant, neurotic, and psychotic persons. *Prerequisite:* six hours credit in Psychology. *Three hours credit.*

**331. INTRODUCTION TO CLINICAL PSYCHOLOGY** **MR. FRANK**

A survey of the field of clinical psychology, its problems, methods, and areas of application. Not a course in clinical practice. *Prerequisite:* six hours credit in Psychology. *Three hours credit.*

**336. PHYSIOLOGICAL PSYCHOLOGY** **MR. PLATT**

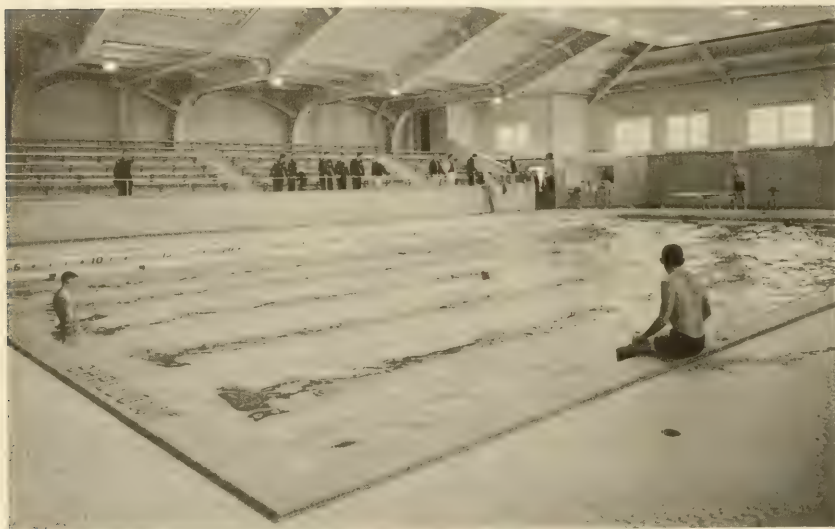
A consideration of behavior and of mental processes as they are related to the structure and functioning of the organism. Emphasis is placed on sensation, perception, learning, and problem solving. Some attention is given to physiological bases of psychopathology. *Prerequisite:* six hours credit in Psychology or eight hours credit in Biology. *Three hours credit.*

**341. HISTORY OF PSYCHOLOGY** **MR. SHAND**

Major developments in the history of psychology, with special attention to the rise of basic theoretical viewpoints. *Three hours credit.*



*Dormitory study*



*Olympic-size pool*

**344. ADVANCED GENERAL PSYCHOLOGY****MR. PLATT**

Motivation, perception, learning, and other topics in general psychology for advanced students. *Prerequisite:* twelve hours credit in Psychology. *Three hours credit.*

**402. CONTEMPORARY PSYCHOLOGICAL LITERATURE****MR. PLATT**

A review of recent books, journal articles, and research projects related to significant contemporary developments in the field of Psychology. Opportunity will be given for independent reading on topics of special interest to the individual student. *Three hours credit.*

**405. SENIOR RESEARCH****STAFF**

Supervised individual research projects. Open only to senior majors. Repeated second semester. *Hours and credit arranged.*

## **RESERVE OFFICERS TRAINING CORPS**

### **Army ROTC and Air Force ROTC**

Gettysburg College participates in the National Security Program by offering to its students, in cooperation with the Department of Defense, the opportunity to enroll in one of the Reserve Officer Training programs. The purpose of these programs is to provide trained reserve officers to meet present active-service and possible future emergency manpower requirements of the Army and Air Force. The training is conducted by officers and enlisted personnel of these two services through integrated courses in the classroom, leadership laboratories, seminars, and practical application. Adequate equipment, including radios, motor vehicles, recoilless weapons, small arms, films, charts, instruments, and models, as well as field trips to Army posts and Air Force bases, are utilized for instructional purposes. The necessary textbooks and uniforms are provided by the Federal Government. Reserve Officer training is an integral part of the student's regular academic schedule and does not increase the total graduation requirements of those participating.

Both the Army and the Air Force provide Reserve Officer Training facilities at Gettysburg College. Each training program is divided into two general courses—Basic and Advanced. The Basic Course, taken during the freshman and sophomore years, provides a general background for the Army or Air Force. College credit is given for ROTC. Students taking ROTC are not required to take Physical Education. Both ROTC programs are open to all physically qualified male students who are citizens of the United States. Women students may enroll in Air Force ROTC courses for academic credit only.

Students who have successfully completed the Basic Course, have demonstrated a satisfactory degree of proficiency and leadership, and who meet required academic, physical, and aptitude standards, may apply for enrollment in the

Advanced Course. Any student who has completed two years of honorable military service is authorized, if otherwise qualified, to apply for enrollment in the Advanced Course at the beginning of his junior year. Members of a National Guard or Reserve Unit may enroll in the Basic Course without change in status and may be excused from attending Armory drill while participating in Army ROTC. Applicants are selected for the Advanced Course on a quota basis. Only fully qualified applicants are selected.

Advanced Course students are provided with uniforms which are retained by them after they are commissioned and are paid approximately \$535 during their twenty-one months of advanced study in the ROTC program. Between their junior and senior years, ROTC students attend a summer camp (six weeks for Army ROTC students and four weeks for Air Force ROTC students) which is devoted to practical application of the courses of instruction they have received during the previous three years in the classroom and leadership laboratories. Students are reimbursed for travel expenses to and from summer camp and are paid approximately \$20 per week.

Under the General Military Science program, Army ROTC graduates may be commissioned in any one of the seventeen branches or technical services of the Army. The branch in which a student is to be commissioned is determined by his academic background, his individual desires, and the needs of the Army at the time he receives his commission. Those students who are outstanding and are designated Distinguished Military Students may apply for Regular Army Commissions. Any officer who desires and is physically qualified may receive Army Aviation or Airborne training. Special programs are available to students who plan to enter the legal or medical professions or the ministry.

Air Force ROTC graduates may be commissioned as pilots, navigators, meteorologists, chaplains, administrative officers, or in any of the scientific or technical specialties of their choice related to their college major. Distinguished Air Force ROTC graduates may apply for Regular Air Force Commissions. Those who enter active duty in a Reserve status may later be authorized to apply for a regular commission. After completion of flying training, pilots are usually assigned flying duty with an operational unit, and will normally also perform secondary administrative duties related to their academic majors, past training, and personal interests.

Meteorologists spend the first year of their active-duty tours pursuing graduate study which may lead to a Master's degree at a technological institute. Chaplain trainees are deferred from active duty until after completion of their theological studies.

At present, students participating in either the Army or Air Force ROTC programs may be deferred from induction under the Selective Service Act so long as they maintain satisfactory academic averages and continue to demonstrate potential ability to become commissioned officers. Army ROTC students who are commissioned must agree to serve at least two years on active duty if called, and to remain in the Reserves for an additional four years, a total of six years



from the date of commission. Graduates in excess of Army active-duty requirements receive six months of active-duty training and remain thereafter in the Ready Reserves until the eighth anniversary of their commissioning. Ex-servicemen or veterans are obligated to attend only the Branch Officer Schools. Graduates may be deferred from call to active duty if upon commissioning they have indicated they intend to do graduate work in any field. Air Force ROTC graduates electing pilot or navigator training are committed to five years of active duty and one year in the Active Reserves. All other Air Force ROTC graduates are obligated for three years of active duty, if called, and for three years of inactive reserve status, totaling six years from date of commission. Any graduate in excess of Air Force requirements may receive six months of active-duty training and remain thereafter in the reserve for seven and a half years. Veterans are not obligated for active duty.

### **Army ROTC: Military Science and Tactics**

*Professor BEECHINOR; Assistant Professors AUER and BEIRNE, and Assistant Instructors DAYE, PROSPERI, ST. CLAIR, TOMLIN, and WAITE*

#### **Basic Course**

##### **101-102. BASIC COURSE, FRESHMAN**

Leadership; American military history; weapons and marksmanship. Four periods, two in the classroom and two in outdoor drill. *Four hours credit.*

##### **201-202. BASIC COURSE, SOPHOMORE**

Leadership; role of the Army in National security; logistics. Four periods, two in the classroom and two in outdoor drill. *Four hours credit.*

#### **Advanced Course**

##### **301-302. ADVANCED COURSE, JUNIOR**

Leadership, exercise of command; methods of instruction; organization, function, and mission of the services; small unit tactics; communications and miscellaneous military subjects. Six periods, four in the classroom and two in outdoor drill. *Six hours credit.*

##### **311-312. ADVANCED COURSE, SENIOR**

Leadership, exercise of command; estimate of the situation; combat orders; command and staff; administration; military justice and boards; military intelligence; training management; the military team; troop movements; supply and evacuation; tactics of the battle group; motor transportation; service orientation; miscellaneous military subjects. Six periods, four in the classroom and two in outdoor drill. *Six hours credit.*

## Air Force ROTC: Air Science

*Professor PETERS; Assistant Professors SCHMIDT, SMITH, STORMS; and Assistant Instructors DAVIS, DENNINGTON, JOHNSON, SALO*

### Basic Course

#### 101-102. FOUNDATIONS OF AIR POWER

A general survey of air power designed to provide the student with an understanding of the elements of air power and basic aeronautical science. Four periods, two in the classroom and two in leadership laboratory. *Four hours credit.*

#### 201-202. FOUNDATIONS OF AIR POWER

A year-long survey of the development of aerial warfare, with emphasis on principles of war, concepts of employment of forces, and changing weapon systems. Treatment of aerial warfare covers targets, weapon systems, delivery vehicles, bases and operations. Four periods, two in the classroom and two in leadership laboratory. *Four hours credit.*

### Advanced Course

#### 301-302. AIR FORCE OFFICER DEVELOPMENT

A year-long treatment of the knowledge and skills required of a junior officer in the Air Force with special emphasis on staff duties and leadership. Includes Air Force leadership doctrine, staff organization and functions, communicating, instructing, problem solving techniques, leadership principles and practices, and the military justice system. Six periods, four in the classroom and two in leadership laboratory. Also four weeks in Summer Training Unit for applied air science. *Six hours credit.*

#### 311-312. GLOBAL RELATIONS

A study of global relations of special concern to the Air Force officer with attention to such aspects as weather, navigation, geography, and international relations. During the first semester, cadets will take Political Science 341 (International Relations) as an Air Science requirement and for three hours credit. First semester: four periods, two in the classroom and two in leadership laboratory. Second semester: six periods, four in the classroom and two in leadership laboratory. *Five hours credit.*

## ROMANCE LANGUAGES

*Professor BACHMAN; Associate Professor HAMME; Assistant Professors BARRICA, LEHNBERGER, and SANBORN; and Instructors CAMERON, PLAYFOOT, AND WEANER*

Requirements for a major in French or Spanish include a minimum of twenty-

four semester hours above the 101-102 course; thirty hours are necessary for a teaching major. Requirements for a teaching major or minor in French include courses 301-302 and 303. Requirements for a major in Spanish include a reading knowledge of a second foreign language.

French and Spanish 101-102 and 201-202 students must spend one hour per week in the language laboratory.

The following courses fulfill the one-year literature requirement: French 311-312, 321-322, 325-326, 329-330, 333-334; Spanish 311-312, 315-316, 321-322, 323-324, 327-328, 331-332.

## French

### 101-102. ELEMENTARY FRENCH

STAFF

Essentials of grammar; practice in composition, reading, and translation. *Six hours credit.*

### 201-202. INTERMEDIATE FRENCH

STAFF

Grammar review and composition. Reading of selections from modern French authors. *Prerequisite:* French 101-102 or its equivalent. *Six hours credit.*

### 301-302. ADVANCED FRENCH COMPOSITION AND CONVERSATION

MR. BACHMAN

Systematic study of French grammar including composition drill. Stress on free composition and oral expression. *Prerequisite:* French 201-202. *Six hours credit.*

### 303. PRACTICAL PHONETICS (†)

MR. BACHMAN

Practice in phonetic transcription and pronunciation. Laboratory course. *Three hours credit.*

### 311-312. SURVEY COURSE IN FRENCH LITERATURE

MR. SANBORN

A general survey of French literature from the Middle Ages to the nineteenth century. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit.*

### 316. HISTORY OF FRENCH CIVILIZATION (†)

MR. BACHMAN

A survey of French history, emphasizing the French contributions to the political, social, and cultural movements of Europe. *Three hours credit.*

### 321-322. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY

MISS LEHNBERGER

French classicism as revealed in the dramatic works of Corneille, Molière, and Racine. Study of the representative prose writers. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit.*

## 325-326. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY (†)

MR. BACHMAN

Critical study of the "*esprit philosophique*" as illustrated in the writings of Montesquieu, Voltaire, Diderot, d'Alembert, Buffon, Rousseau, and others. *Prerequisite*: French 201-202 or its equivalent. Alternates with French 321-322. *Six hours credit*.

## 329-330. FRENCH LITERATURE OF THE NINETEENTH CENTURY

MR. SANBORN

Selections from poets and prose writers of the Romantic, Realistic, Naturalistic, and Symbolistic movements. *Prerequisite*: French 201-202 or its equivalent. *Six hours credit*.

## 333-334. FRENCH LITERATURE OF THE TWENTIETH CENTURY (†)

MR. SANBORN

The more recent literary tendencies of France, with special reference to the national life and character. *Prerequisite*: French 201-202 or its equivalent. Alternates with French 311-312. *Six hours credit*.

## 341. INTRODUCTION TO ROMANCE PHILOLOGY

MR. BACHMAN

Morphology of French, Spanish, and possibly Italian. Emphasis on the phenomena having special significance for teachers or graduate students. Recommended to majors and minors both in French and Spanish. *Three hours credit*.

## 342. OLD FRENCH LANGUAGE AND LITERATURE (†)

MR. BACHMAN

The various *genres* of medieval French literature. *Prerequisite*: French 341. Alternates with French 316. *Two hours credit*.

## 343. EXPLICATION DE TEXTES (†)

MR. BACHMAN

Designed for seniors only. Repeated second semester. *Two hours credit*.

## 361. METHODS OF TEACHING FRENCH

MR. BACHMAN

Lesson planning in conjunction with grammar review; discussion concerning the cultural material to be used; selection of suitable texts. Open only to juniors and seniors who expect to teach and who have been recommended by the department chairman. Given in alternate years. *Three hours credit*.

## 391. THESIS IN FRENCH

STAFF

Conference hours as arranged. Repeated second semester. *Two hours credit*.

## 401. SEMINAR IN FRENCH LITERATURE AND CIVILIZATION

STAFF

Repeated second semester. *Hours and credit arranged*.



## Spanish

### 101-102. ELEMENTARY SPANISH

STAFF

Fundamentals of grammar and reading. *Six hours credit.*

### 201-202. INTERMEDIATE SPANISH

STAFF

Review of Spanish grammar, conversation, translation, and composition. *Prerequisite:* Spanish 101-102 or its equivalent. *Six hours credit.*

### 301-302. ADVANCED SPANISH COMPOSITION AND CONVERSATION

MRS. WEANER

Letter writing, short Spanish themes, advanced grammar, and conversation based on current events and life-situations. *Prerequisite:* Spanish 201-202 or its equivalent. *Six hours credit.*

### 311-312. SURVEY COURSE IN SPANISH LITERATURE

MR. BARRIGA

The development of the Spanish *géneros literarios* to the present day. Geographical and historical background. *Prerequisite:* Spanish 201-202. *Six hours credit.*

### 315-316. SPANISH-AMERICAN LITERATURE (†)

MR. BARRIGA

A survey course with emphasis on poetry and the novel. *Prerequisite:* Spanish 201-202. *Six hours credit.*

### 321-322. NOVELA DEL SIGLO DE ORO

MR. HAMME

*La novela picaresca* and *Don Quijote*. *Six hours credit.*

### 323-324. TEATRO DEL SIGLO DE ORO (†)

MR. HAMME

Lope de Vega and other dramatists of the Siglo de Oro. *Six hours credit.*

### 327-328. NINETEENTH CENTURY SPANISH NOVEL AND DRAMA

MISS CAMERON

The *costumbrista* movement. The neo-classic, romantic, and post-romantic Spanish drama. *Prerequisite:* Spanish 201-202 or its equivalent. *Six hours credit.*

### 331-332. TWENTIETH CENTURY SPANISH LITERATURE (†)

Reading and study of the outstanding novels and dramas of the twentieth century, beginning with the generation of 1898. *Prerequisite:* Spanish 201-202 or its equivalent. *Six hours credit.*

### 361. METHODS AND TECHNIQUE OF TEACHING SPANISH

MR. HAMME

Technique, lesson planning, selection of textbooks, remedial teaching. Lectures, reports, and classroom practice. For teaching majors. *Three hours credit.*

## 391. THESIS IN SPANISH

STAFF

Research and outlining. Individual conferences. Repeated second semester. *Two hours credit.*

## 401. SEMINAR IN SPANISH LITERATURE AND CIVILIZATION

STAFF

Repeated second semester. *Hours and credit arranged.*

## RUSSIAN (See German)

## SOCIOLOGY

*Professor BLOSS; Visiting Professor DOUGLAS; and Instructor SHEAFFER*

Sociology 201 is a prerequisite for all other courses in the department. Requirements for a major include Sociology 201, 204, 331, and 334 and twelve additional semester hours in Sociology as approved by the department. Students looking forward to Social Work must take Sociology 321 and 326.

## 201. PRINCIPLES OF SOCIOLOGY

STAFF

Survey of the basic forms of human association and interaction; culture and personality; collective behavior; institutions; social organization; social change. Repeated second semester. *Three hours credit.*

## 204. CULTURAL ANTHROPOLOGY

MR. SHEAFFER

Interrelation of the individual, society, and culture. Analysis of diverse cultures with reference to their institutions, value systems, and behavior patterns. *Three hours credit.*

## 301. SOCIAL CHANGE IN MODERN SOCIETY

MR. SHEAFFER

Theories of social change applied to social movements in selected contemporary societies. *Three hours credit.*

## 304. AMERICAN SOCIETY: URBAN AND RURAL PATTERNS

MISS BLOSS

Rural-urban trends and their significance. Problems arising from the urbanization and industrialization of American society. *Three hours credit.*

## 305. THE FAMILY

MRS. DOUGLAS

Social, psychological, and economic problems of the family in the United States. Shifting roles of family members. Comparative study of the family in selected cultures. *Three hours credit.*

## 308. INDUSTRIAL SOCIOLOGY

MISS BLOSS

The industrial plant as a complex social organization; the functional relationships between industrial production and other aspects of societal organization. *Three hours credit.*

## 309. DYNAMICS OF SMALL GROUPS

MR. SHEAFFER

Development of the small group research movement. Dynamics of the participative group. Social perception, communication, leadership and social competence in small group situations. Sociometric structure in personality and group formation. *Three hours credit.*

## 311. PUBLIC OPINION

MISS BLOSS

Relationship of public opinion to social control and collective behavior. Special attention given to the influence of the various techniques of mass communication. *Three hours credit.*

## 315. CRIMINOLOGY

MISS BLOSS

Analysis of the social, cultural, and psychological factors involved in the development of the criminal; evaluation of our present system of criminal justice; trends and future objectives. *Three hours credit.*

## 318. RACIAL AND CULTURAL MINORITIES

MRS. DOUGLAS

Problems of social stratification. Dynamics of segregation and integration policies. *Three hours credit.*

## 321. INTRODUCTION TO SOCIAL WORK

MISS BLOSS

Development and organization of modern social services under public and private auspices. Basic processes of social case work, group work, and community organization. *Three hours credit.*

## 324. FIELD WORK EXPERIENCE

MISS BLOSS

Current trends in the philosophy and practice of social work. Two hour seminar one day each week plus field work for one-half day each week in approved social agencies offering supervision. Open to seniors. *Three hours credit.*

## 326. SOCIAL LEGISLATION

MISS BLOSS

The changing philosophy of government to meet the needs of modern industrial civilization; special attention given to present-day social welfare policies and programs at the federal, state, and local levels. *Three hours credit.*

## 331. SOCIAL THEORY

MR. SHEAFFER

The contributions of leading European and American sociologists to contemporary theory. Recent trends in American sociology. Open to seniors. *Three hours credit.*

## 334. METHODS OF SOCIAL RESEARCH

MR. SHEAFFER

Types of social investigation, procedures, and techniques. Collection, classification, analysis, and interpretation of data. Open to seniors. *Three hours credit.*

## 401. SEMINAR

STAFF

Research and reading on selected topics related to the field of sociology. Open only to senior majors. Repeated second semester. *Hours and credit arranged.*

## SPANISH (See Romance Languages)

## SPEECH (See English)



# Alumni Activity

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Gettysburg College seeks to maintain personal and mutually beneficial relationships with all its former students, both graduates and non-graduates. This relationship is accomplished by means of informative communications from the Alumni Office, attractive on-campus occasions, and an active Alumni Association. Throughout the year, the *Alumni Bulletin*, newsletters, and other communications are sent free of charge to all graduates and most non-graduates. Homecoming Weekend in the fall and Commencement Weekend in the spring are special occasions for alumni on-campus activity. Seminars during the Commencement period are designed to inform about new thought in various academic disciplines. The Alumni Office on North Washington Street maintains address files and information on all former students, acts as the secretarial center for all alumni activity, and serves as custodian for the *Alumni Loan Scholarship Fund*, from which a worthy senior may obtain up to \$600.00.

## Alumni Organization

The Gettysburg College Alumni Association was founded in 1835. It is made up of the general association, meeting annually at the colation on the Saturday of Commencement Weekend; the Council; the Executive Committee; and thirty-seven branch clubs. Any graduate, former student, member of the faculty or staff, member of the Board of Trustees, or recipient of an honorary degree from Gettysburg College is a voting member of the association. The main work of the association is carried on by the Council which holds regular meetings at Homecoming and on the Saturday before Commencement. The Council meetings are open to any association member. Standing committees of the Council include: Loyalty Fund, Finance, Secondary Schools, Alumni Clubs, Alumni Days, Undergraduate Activities, Nominations, Awards, Public Relations, and Class Endowments. The Executive Committee meets each January and August to carry on interim business and plan for the activities ahead. The thirty-seven local clubs urge all alumni in the area to attend their meetings. Parents of under-

graduates and members of the Gettysburg College Woman's League are welcome as visitors at these local meetings. The current club roster includes: Adams County, Altoona, Baltimore, Central Pennsylvania (inactive), Chicago, Cleveland, Delaware, Detroit (inactive), Franklin County, Frederick-Carroll County, Greater Boston-New England, Hagerstown, Hanover, Harrisburg, Johnstown, Lancaster, Lebanon County, Lehigh Valley, Louisiana (inactive), New York, North Central Pennsylvania, Northeastern Pennsylvania, Northern California, Philadelphia, Pittsburgh, Reading-Berks County, Rochester Area, Somerset County, South Jersey, Southern California, Southeast Florida, Southern West Virginia, Southwestern Ohio, Southwest Florida, Washington, D. C., Western Pennsylvania, and York County. Further information as to club officers and meeting dates and places can be readily obtained from the Alumni Office.

### Alumni Association Officers

*President* ..... LAVERN H. BRENNEMAN (1936), 2233 Loucks Mill Road, York, Pa.

*Vice President*, CHARLES W. DIEHL, JR. (1929), 22 South Vernon Street, York, Pa.

*Director of Alumni Relations*,

HAROLD A. DUNKELBERGER (1936), Gettysburg College

*Recording Secretary*, FREDERICK B. DAPP, JR. (1943), R. D. 3, Mechanicsburg, Pa.

*Treasurer* ..... ROBERT D. HANSON (1939), 112 Market Street, Harrisburg, Pa.

# Students in College

First Semester, 1959-1960

## Seniors, Class of 1960

Abbott, Henry E., *Chatham, N. J.*  
Adams, Floyd C., *Elmer, N. J.*  
Africa, Sally, *Huntingdon, Pa.*  
Albright, Roger L., *Hanover, Pa.*  
Alcorn, Ruth L., *Rutherford, N. J.*  
Aldridge, Raymond D., *Abbottstown, Pa.*  
Alling, Roger S., *Clayton, N. J.*  
Applegate, Robert J., Jr., *Merchantville, N. J.*  
Arcesi, Joseph A., *Sayre, Pa.*  
Aumiller, G. Edward, *Downingtown, Pa.*  
Austin, Franklin B., Jr., *Philadelphia, Pa.*  
Axe, John D., *Syracuse, N. Y.*

Baer, John E., *Waynesboro, Pa.*  
Bartholet, William M., *New York, N. Y.*  
Bartlett, Charles P., *Manhasset, N. Y.*  
Baumgardner, Susan E., *Littlestown, Pa.*  
Bauroth, Alan R., *Philadelphia, Pa.*  
Bennetch, Bradley M., *Bethlehem, Pa.*  
Bentz, Richard M., *Bethesda, Md.*  
Berger, Paul W., *Pine Grove, Pa.*  
Beuchler, John D., *Pine Grove, Pa.*  
Bigelow, Fred H., *Yeagertown, Pa.*  
Binkley, James H., *Medford Lakes, N. J.*  
Bishop, Stephen G., *Gettysburg, Pa.*  
Bittle, Lehner, *Harrisburg, Pa.*  
Bittle, R. Harry, *Chambersburg, Pa.*  
Black, Raymond C., *Riegelsville, Pa.*  
Books, Edgar F., *Boiling Springs, Pa.*  
Boutwell, Delbert, Jr., *Silver Spring, Md.*  
Bowen, David L., *Long Valley, N. J.*  
Bowersox, Paul E., *Westminster, Md.*  
Boyer, Robert H., *Camp Hill, Pa.*  
Bramley, Michael, *Ho-Ho-Kus, N. J.*  
Brehl, Diana E., *Douglaston, L. I., N. Y.*  
Brenneman, James H., *York, Pa.*  
Bright, David R., *Norristown, Pa.*  
Briglia, Mary Lou, *Brightwaters, N. Y.*  
Britcher, Susan F., *Gettysburg, Pa.*  
Brogan, Donna J., *Baltimore, Md.*  
Brown, Leland B., *Lansdowne, Pa.*  
Brown, William M., *Lansdowne, Pa.*  
Browning, Robert G., Jr., *Moylan, Pa.*  
Buechler, Alan L., *Pennsauken, N. J.*  
Bullett, David B., *Ossining, N. Y.*  
Bullock, Robert A., *Dennisville, N. J.*  
Busch, John W., *Brooklyn, N. Y.*

Callis, Mary Jane, *York, Pa.*  
Capece, Donald V., *Scarsdale, N. Y.*  
Carr, Patricia A., *Richmond, Va.*  
Carruthers, Ralph B., *Mount Union, Pa.*  
Casagrande, Peter J., *Pen Argyl, Pa.*  
Christ, Peter C., *Trexlerstown, Pa.*  
Coble, Garnet N., Jr., *Aspers, Pa.*  
Coffman, Judy Ann, *Hagerstown, Md.*  
Conaway, Joseph A., *Norristown, Pa.*  
Corbett, Charles H., *Abington, Pa.*  
Cranmer, Raymond S., *York, Pa.*  
Crum, Thomas J., *Riderwood, Md.*

Crump, Roger S., *Floral Park, N. Y.*  
Custer, Robert E., *Portage, Pa.*  
Davidyock, Richard J., *Summit Hill, Pa.*  
Davies, William R., *Medford Lakes, N. J.*  
Davis, Marian E., *Gettysburg, Pa.*  
Dean, Barbara M., *Vineland, N. J.*  
Dendler, R. ph E., Jr., *Berwick, Pa.*  
Derr, Judith A., *Shepherdstown, W. Va.*  
Dey, Charles H., *Roselle, N. J.*  
Dick, Walter J., *Philadelphia, Pa.*  
Dickinson, Walther H., *Syracuse, N. Y.*  
Dilts, Mervin R., *Three Bridges, N. J.*  
Donahue, Joseph J., *Jersey City, N. J.*  
Dorn, Virginia B., *Baltimore, Md.*  
Dougherty, Francis J., *Arlington, Va.*  
Drewes, Lawrence P., *Drexel Hill, Pa.*

Egeland, Edwin T., *Fair Haven, N. J.*  
Eiler, Kathryn W., *Cumberland, Md.*  
Eldridge, Robert, *Abington, Pa.*  
Elfman, C. Bartley, Jr., *Doylestown, Pa.*  
Elliott, Martin F., *Broomall, Pa.*  
Engelman, Emil J., *Altoona, Pa.*  
Fink, Lois E., *Huntingdon Valley, Pa.*  
Fishburn, Harold L., *Southampton, N. Y.*  
Fleischman, William R., *Philadelphia, Pa.*  
Fought, Daniel, *Hughesville, Pa.*  
Franz, David R., *Philadelphia, Pa.*  
Frey, Rita M., *Hanover, Pa.*  
Frontz, Maurice, Jr., *Lancaster, Pa.*  
Fulton, Robert A., *Allentown, Pa.*

Galassi, Michael H., *Garden City, N. Y.*  
Galdino, Michael E., *Harrisburg, Pa.*  
Ganser, Jon B., *Blue Bell, Pa.*  
Garman, James E., *Pittsburgh, Pa.*  
Gass, Mark K., Jr., *Sunbury, Pa.*  
Gatter, Julia B., *Oreland, Pa.*  
Gentzler, Lenora, *York, Pa.*  
George, Herman L., Jr., *Middletown, Pa.*  
Gleason, Philip, *New Britain, Pa.*  
Goldstein, Jed, *Forest Hills, N. Y.*  
Grace, Fred I., *Gettysburg, Pa.*  
Grant, Edward M., *Media, Pa.*  
Green, Thomas F., *Haddonfield, N. J.*  
Grief, Walter R., *Babylon, N. Y.*  
Griffin, Gerald G., *Manhasset, N. Y.*  
Grommisch, Edna B., *Oneonta, N. Y.*  
Grzelecki, D. Jean, *Salem, N. J.*  
Gummo, E. Boyd, *Duncansville, Pa.*  
Gunnell, George T., *Los Altos, Calif.*  
Gurley, Andrew F., *Brooklyn, N. Y.*  
Gwinn, Barry D., *Swarthmore, Pa.*

Hackenberg, Edwin M., *Westfield, N. J.*  
Haines, Isaiah, III, *New Lisbon, N. J.*  
Haldeman, Judy, *Mahanoy City, Pa.*  
Hamam, David B., *North Haledon, N. J.*

Hamm, Sandra E., *Hanover, Pa.*  
 Hamsher, James R., *Chambersburg, Pa.*  
 Hanes, Lee G., *Wayne, Pa.*  
 Hannah, Sarah A., *Trenton, N. J.*  
 Hanrahan, George E., *Hanover, Pa.*  
 Harrison, Donald B., Jr., *Glen Riddle, Pa.*  
 Hartman, Waldo T., *Gettysburg, Pa.*  
 Hawkins, Richard, *Spring Grove, Pa.*  
 Hazen, Joseph M., *Silver Spring, Md.*  
 Heckler, Mary Anne, *Lansdale, Pa.*  
 Heckman, Florence E., *Kutztown, Pa.*  
 Heldt, Elizabeth C., *Gettysburg, Pa.*  
 Henry, G. Patrick, *New City, N. Y.*  
 Henry, John R., *Spring Grove, Pa.*  
 Henry, Norman H., *New City, N. Y.*  
 Hertzler, David R., *Bristol, Pa.*  
 Hess, James C., *Curwensville, Pa.*  
 Hess, Richard E., *York, Pa.*  
 Hicks, Harvard M., *Doylestown, Pa.*  
 Hicks, R. Frazier, *Doylestown, Pa.*  
 Hise, Theodore R., *Gettysburg, Pa.*  
 Hoffman, Gary J., *Mansfield, Ohio*  
 Holcombe, M. Ann, *York, Pa.*  
 Horner, Kay A., *Sinking Spring, Pa.*  
 Howard, John, *Bethlehem, Pa.*  
 Hrbek, Barbara A., *Front Royal, Va.*  
 Huber, Gertrude A., *Bridgeton, N. J.*  
 Hunt, William A., *White Plains, N. Y.*  
 Huyck, Eugene P., *Dumont, N. J.*  
 Hyson, Robert D., *Hampstead, Md.*

Ishikawa, Yoko, *Tokyo, Japan*

Jacobs, Charles S., Jr., *Glenside, Pa.*  
 Jacoby, Stephen N., *Margate City, N. J.*  
 Johnson, John T., *Berlin, Pa.*  
 Johnson, Thomas J., Jr., *Harrisburg, Pa.*  
 Johnston, Walton R., III, *Philadelphia, Pa.*  
 Joseph, Mary M., *Hicksville, N. Y.*

Kahler, Jeffrey L., *Rochester, N. Y.*  
 Kamis, Kenneth C., *Harrisburg, Pa.*  
 Katz, Joan N., *Yeadon, Pa.*  
 Keen, John H., *Camp Hill, Pa.*  
 Keim, Alan R., *State College, Pa.*  
 Keller, Constance E., *Waynesboro, Pa.*  
 Kandlehart, Joyce A., *Gettysburg, Pa.*  
 Kennison, Linda M., *Arlington, Va.*  
 Kern, Lois K., *Slatington, Pa.*  
 Kerr, Craig R., *Warren, Pa.*  
 Keyes, Judith M., *Baltimore, Md.*  
 Kiick, James Q., *Easton, Pa.*  
 Kilheffer, Kenneth L., *Lancaster, Pa.*  
 Klepper, David E., Jr., *Hanover, Pa.*  
 Klinefelter, James H., Jr., *Baltimore, Md.*  
 Knight, Chester L., *Chestertown, Md.*  
 Knox, Thomas J., *Pitman, N. J.*  
 Kociatyn, Joyce, *York, Pa.*  
 Kollhoff, Gerald, *Philadelphia, Pa.*  
 Krum, Gerald A., *Bloomsburg, Pa.*  
 Kunkel, Jack W., *Gettysburg, Pa.*  
 Kurtz, Roland L., *York, Pa.*

Lack, Linda S., *Mt. Holly, N. J.*  
 Layton, C. Rodney, Jr., *Centreville, Md.*  
 Lecher, Robert C., *Drexel Hill, Pa.*  
 Leonard, Lynda J., *New Hyde Park, N. Y.*  
 Levengood, George M., *Reading, Pa.*  
 Lind, Dale R., *Woodsboro, Md.*  
 Lindstrom, Robert L., *York, Pa.*  
 Lyon, Roswell H., III, *Harrisburg, Pa.*

McClellan, Thomas L., *Cresskill, N. J.*  
 McClure, David, *Whitehouse Station, N. J.*  
 McClure, Howard P., Jr., *Maplewood, N. J.*  
 McConnell, Michael L., *Blairsville, Pa.*  
 McCord, Donald S., Jr., *Cranford, N. J.*

McGowan, Walter, E., *Lansdowne, Pa.*  
 McKean, Joel M., *Clearfield, Pa.*  
 McKechnie, Elmer J., *Berwick, Pa.*  
 McLaughlin, William J., *Quakertown, Pa.*  
 McQuilkin, James F., Jr., *Warrenton, Va.*  
 MacArthur, Carol-Lynne, *Great Neck, N. Y.*  
 MacDonough, Charles, III, *Wynnewood, Pa.*  
 MacGibeny, D. Barry, *Woodbury, N. J.*  
 Marcks, Frederick C., *Easton, Pa.*  
 Marcks, Virginia T., *Valley Stream, N. Y.*  
 Matheiss, David C., *Ellicott City, Md.*  
 Mears, Beverly Ann, *Silver Spring, Md.*  
 Menges, Robert J., *Menges Mills, Pa.*  
 Mentzer, Arthur L., *Harrisburg, Pa.*  
 Mervine, Walter S., *Darby, Pa.*  
 Middleton, Carol A., *Moorestown, N. J.*  
 Miller, Darlene A., *Easton, Pa.*  
 Miller, David L., *Carlisle, Pa.*  
 Miller, John F., III, *Baltimore, Md.*  
 Miller, Rodney S., Jr., *Gardners, Pa.*  
 Mink, Fred W., Jr., *Harrisburg, Pa.*  
 Minnich, Howard W., Jr., *Harrisburg, Pa.*  
 Moltz, John M., Jr., *New Cumberland, Pa.*  
 Mook, Elaine V. C., *Wyncote, Pa.*  
 Moore, Barbara L., *Baltimore, Md.*  
 Moyer, James M., *Annapolis, Pa.*  
 Moyer, Lois A., *Souderton, Pa.*  
 Mueller, Fred W., III, *Lancaster, Pa.*  
 Muff, Robert C., *Garden City, N. Y.*  
 Mumma, Harvey M., *Gettysburg, Pa.*

Nassehi, Fraidoun, *Tehran, Iran*  
 Natschke, Frederick R., *Mechanicsburg, Pa.*  
 Nell, Miriam E., *Marietta, Pa.*  
 Newmark, Warren M., *Lansdowne, Pa.*  
 Ninesling, Peter J., *Great Neck, N. Y.*  
 Nitzsche, Ronald E., *Trenton, N. J.*  
 Norris, Thomas C., *Stewartstown, Pa.*

Ottman, Nancy E., *Floral Park, N. Y.*

Palmer, Edward L., *Hagerstown, Md.*  
 Palmer, Emerson, *Westminster, Md.*  
 Parkell, Charles H., Jr., *Red Bank, N. J.*  
 Parker, Alan L., *Yeadon, Pa.*  
 Parry, Robert T., *Harrisburg, Pa.*  
 Paskell, Ray S., *Baltimore, Md.*  
 Payton, Melvin H., *Moorestown, N. J.*  
 Pearce, H. Richard, *Havertown, Pa.*  
 Pennington, Peter, *Gettysburg, Pa.*  
 Perrine, John E., *Jamesburg, N. J.*  
 Peters, Howard N., *Hazleton, Pa.*  
 Pfeiffer, C. Boyd, *Baltimore, Md.*  
 Pflug, Garry C., *Valley Stream, N. Y.*  
 Prevost, Jules F., Jr., *Radnor, Pa.*  
 Propst, Thomas I., *Sunbury, Pa.*  
 Prutzman, Paul, Jr., *Hanover, Pa.*  
 Pirsch, William C., *Pennsauken, N. J.*

Rader, Robert W., *Meriden, Conn.*  
 Rathman, Robert H., *Palisades Park, N. J.*  
 Reighter, John K., *Newport, Pa.*  
 Renjilian, John L., *Fairfield, Conn.*  
 Richter, Charles W., *Baltimore, Md.*  
 Rigberg, Herbert S., *Philadelphia, Pa.*  
 Risser, James D., *Elizabethtown, Pa.*  
 Ritter, Frederick, Jr., *Winchester, Va.*  
 Ruby, Sue Ann, *York, Pa.*  
 Ruesch, Richard W., *Leonia, N. J.*  
 Ruhl, Charles E., *Lancaster County, Pa.*

Sampson, Barbara A., *East Longmeadow, Mass.*  
 Santillo, Robert S., *Norristown, Pa.*  
 Schaeffer, Dawn I., *Myerstown, Pa.*  
 Schaumann, Karen S., *Newark, Dela.*  
 Scheffey, John C., *Pottstown, Pa.*



Schilpp, Louise C., *Drexel Hill, Pa.*  
 Schlecht, Ludwig F., *Syracuse, N. Y.*  
 Schmid, Floyd F., *West Englewood, N. J.*  
 Schneider, Edmund M., *Clifton, N. J.*  
 Seebach, Linda Anne, *Gettysburg, Pa.*  
 Seekamp, Henry E., *Bellerose, N. Y.*  
 Selak, R. Daniel, *Conemaugh, Pa.*  
 Severe, Carol K., *Cranford, N. J.*  
 Sharrah, John R., *Cashtown, Pa.*  
 Sherbine, K. Bruce, *Portage, Pa.*  
 Shimer, Richard F., *Bedford, Pa.*  
 Shonk, Ronald E., *Manheim, Pa.*  
 Skomsky, Sally E., *Berwick, Pa.*  
 Slater, Allen R., *West Caldwell, N. J.*  
 Slifer, William E., *Detroit, Mich.*  
 Smith, Cynthia, *Drums, Pa.*  
 Smith, Loren H., *Edison, N. J.*  
 Snook, John G., *Amityville, N. Y.*  
 Snyder, Marjorie J., *Trumbull, Conn.*  
 Spring, Paul E., Jr., *Wheeling, W. Va.*  
 Stapf, E. Louis, Jr., *Philadelphia, Pa.*  
 Staub, Helen, *Gettysburg, Pa.*  
 Steger, Joseph A., III, *Sharon Hill, Pa.*  
 Stiles, Gilbert W., *Lansdowne, Pa.*  
 Stites, Jane E., *Camden, N. J.*  
 Stofko, Karl P., *Plymouth, Mich.*  
 Strait, Robert C., *Harrisburg, Pa.*  
 Strevig, Elizabeth A., *Indiantown Gap, Pa.*  
 Susser, Nancy E., *Myersdale, Pa.*

Thomas, George F., *River Edge, N. J.*  
 Thomson, Ronald F., *Hampstead, Md.*  
 Thornton, Bruce E., *Wynnewood, Pa.*  
 Tichy, Theodora P., *Mt. Holly Springs, Pa.*  
 Toner, Mary C., *Metuchen, N. J.*  
 Towson, Jere L., *Downingtown, Pa.*

Ulrich, John A., *Livingston, N. J.*  
 Underkoffler, Douglas, *Souderton, Pa.*  
 Vickery, Gerald W., Jr., *Troy, Pa.*  
 VonCzoernig, Carl E., *Chester Springs, Pa.*

Wachob, Joan G., *Pittsburgh, Pa.*  
 Wachter, Gary F., *Great Neck, N. Y.*  
 Wagoner, Ralph H., *Westford, Pa.*  
 Warner, John L., Jr., *York, Pa.*  
 Weaver, John A., *Collegeville, Pa.*  
 Wedemeyer, Walter H., *Phoenixville, Pa.*  
 Weitcomb, Janet L., *York, Pa.*  
 Wertman, William H., *Silver Spring, Md.*  
 Westenberger, James E., *Alexandria, Va.*  
 Whitmer, Edwin W., Jr., *Essex Falls, N. J.*  
 Wilent, Claire C., *Blackwood, N. J.*  
 Willoughby, Robert H., *Wilkes-Barre, Pa.*  
 Wilson, Norman J., *Gettysburg, Pa.*  
 Wines, M. Halo, *Washington, D. C.*  
 Wolff, Keith B., *Gettysburg, Pa.*  
 Wolff, Sandra, *Gettysburg, Pa.*  
 Wood, Ralph L., Jr., *Media, Pa.*  
 Wood, Ronald E., *New York, N. Y.*  
 Wood, William B., *Camp Hill, Pa.*  
 Wunner, William H., *Rutherford, N. J.*

Yingst, John C., *Hummelstown, Pa.*  
 Young, Barbara L., *Maywood, N. J.*  
 Youse, Conrad B., *Myerstown, Pa.*

Zagars, Gunars V., *Gettysburg, Pa.*  
 Zerbe, James L., *Harrisburg, Pa.*  
 Ziegler, Charles L., Jr., *Moorestown, N. J.*

## Juniors, Class of 1961

Adolph, Robert E., *Elizabeth, N. J.*  
 Agabeg, M. Elmo, *Tehran, Iran*  
 Aitken, Donald G., Jr., *Garden City, N. Y.*  
 Alenick, Leonard B., *Brooklyn, N. Y.*  
 Amann, Richard W., *Lynbrook, N. Y.*  
 Anderson, Robert C., *Teaneck, N. J.*  
 Armstrong, John B., *Silver Spring, Md.*  
 Arnold, Mary P., *Huntington, W. Va.*  
 Augst, Gretchen, *Hershey, Pa.*

Bailey, Jo Ann, *Washington, D. C.*  
 Baily, Joseph J., III, *Oreland, Pa.*  
 Barclay, David M., *Ft. Washington, Pa.*  
 Barnhart, Guy H., *North Haven, Conn.*  
 Basso, Henry R., Jr., *Harrisburg, Pa.*  
 Batcheler, Charles L., *Camp Hill, Pa.*  
 Batting, William G., *Maplewood, N. J.*  
 Bauer, John W., *Harrisburg, Pa.*  
 Beam, James M., *Gardners, Pa.*  
 Bear, Sherman W., *Lemoyne, Pa.*  
 Beerkircher, Ronald W., *Collingswood, N. J.*  
 Beers, Barbara A., *Schenectady, N. Y.*  
 Benfer, David A., *Ardmore, Pa.*  
 Benner, Sara L., *Lancaster, Pa.*  
 Bennett, David L., *Lewisburg, Pa.*  
 Billie, Leonard C., *Drexel Hill, Pa.*  
 Bingaman, Barbara A., *Hellam, Pa.*  
 Black, Esta M., *Hershey, Pa.*  
 Bluett, Kenneth A., *Baltimore, Md.*  
 Blumenstine, Bernadine D., *Steelton, Pa.*  
 Blunt, Elson M., III, *Wellesley Hills, Mass.*  
 Bohlander, Lorraine S., *Holtwood, Pa.*  
 Bohn, Heidrun I., *Schnlstr, Germany*  
 Bonney, Lawrence D., *Drexel Hill, Pa.*  
 Boor, William C., *Petersburg, W. Va.*

Boyer, George W., Jr., *York, Pa.*  
 Boyer, Phyllis J., *Kutztown, Pa.*  
 Boys, Phyllis A., *Chevy Chase, Md.*  
 Branton, Russell W., *Pen Argyl, Pa.*  
 Bray, Mary P., *Elkridge, Md.*  
 Broderick, Ann, *Washington, D. C.*  
 Buchheit, Russell J., *Tenafly, N. J.*  
 Burchfield, H. Kay, *St. Louis, Mo.*  
 Burkhardt, Karl L., *Brooklyn, N. Y.*  
 Buse, Barbara, *McLean, Va.*  
 Butler, Lance H., *Mullica Hill, N. J.*  
 Caban, Louis H., *Philadelphia, Pa.*  
 Caruth, Lawrence G., *Moscow, Pa.*  
 Chilingarian, Ronald P., *Oradell, N. J.*  
 Choe, Kilja, *Seoul, Korea.*  
 Cohn, Robert M., *Brooklyn, N. Y.*  
 Cole, Kenneth, *Gettysburg, Pa.*  
 Comas, James, *Teaneck, N. J.*  
 Conway, Catherine, *Shamokin, Pa.*  
 Cordier, Robert H., *Oradell, N. J.*  
 Cost, F. Howard, *Hagerstown, Md.*  
 Cox, Stephen, *Arlington, Va.*  
 Creech, Silas M., Jr., *Bethesda, Md.*  
 Crisp, Richard G., *Freeport, N. Y.*  
 Crosson, Charles W., Jr., *Unionville, Pa.*  
 Crothers, Austin L., Jr., *Lakewood, Ohio*  
 Crawl, Lewis A., *Gettysburg, Pa.*  
 Curtin, Lawrence B., *Morrisville, Pa.*

Dear, Jack B., *Scottdale, Pa.*  
 DeCamara, Robert C., *Philadelphia, Pa.*  
 Dedrick, George, Jr., *Havertown, Pa.*  
 Deichert, Robert G., *Pine Grove, Pa.*  
 Del Prete, Anthony J., *Cheltenham, Pa.*

Dempcy, Sandra D., *Wilmington, Del.*  
 Dimmick, Fred W., *Enola, Pa.*  
 Dittmar, Susan L., *West New York, N. J.*  
 Doyle, Theodore O., *Harrisburg, Pa.*  
 Drake, Arthur D., Jr., *Irvington, N. J.*  
 Dulin, Kay E., *Linwood, Pa.*

Emerson, James, *Salisbury, Md.*  
 Eshbach, Warren M., *Pottstown, Pa.*  
 Evans, Ruth E., *Philadelphia, Pa.*

Faries, Diane K., *W. Englewood, N. J.*  
 Feeser, Nolan W., *Williamsport, Pa.*  
 Felker, William A., *Beavertown, Pa.*  
 Fenstermaker, Diane L., *Kutztown, Pa.*  
 Fielding, Fred F., *Mechanicsville, Pa.*  
 Finckenaue, James O., *East Hampton, N. Y.*  
 Fischer, Shirley L., *Baltimore, Md.*  
 Fitzgerald, Walter H., *Philadelphia, Pa.*  
 Fitzkee, William E., *Mount Wolf, Pa.*  
 Fitzpatrick, Richard, *Frederick, Md.*  
 Foltz, John V., Jr., *Middletown, Pa.*  
 Foreman, Sally A., *Harrisburg, Pa.*  
 Frantz, Mary G., *Kittanning, Pa.*  
 Frederick, Ronald D., *Harleysville, Pa.*  
 Freed, John D., *Liverpool, Pa.*  
 Fretz, Bruce R., *Chalfont, Pa.*  
 Fridinger, Barbara L., *Manchester, Md.*  
 Friling, John D., *Milford, N. J.*  
 Frilling, Lawrence A., *Milford, N. J.*  
 Fruchter, Kenneth P., *Forest Hills, N. Y.*  
 Funk, Nan F., *Easton, Pa.*  
 Fuschino, Frank G., *Maplewood, N. J.*

Ganoe, David B., *Secane, Pa.*  
 Garrison, Harry E., *Elmer, N. J.*  
 Geils, Kenneth H., *East Williston, N. Y.*  
 Genrich, Margaret, *Snyder, N. Y.*  
 Gibbs, Richard E., Jr., *West Caldwell, N. J.*  
 Gilbert, Helen C., *Pittsburgh, Pa.*  
 Girvan, Robert B., *Leonia, N. J.*  
 Gleisner, Joan V., *Baltimore, Md.*  
 Glicksman, Russell A., *Larchmont, N. Y.*  
 Clover, Carole B., *Milton, Pa.*  
 Cohn, Herman B., *Williamsport, Pa.*  
 Gooding, Patricia, *Westfield, N. J.*  
 Goodman, Horace Y., Jr., *Wilmington, Del.*  
 Gordon, Dale F., *Hanover, Pa.*  
 Gouker, Annabelle L., *Philadelphia, Pa.*  
 Greenlund, David B., *Warren, Pa.*  
 Greenwood, Robert F., *Yeadon, Pa.*  
 Grele, Robert F., *Seymour, Conn.*  
 Guise, Ralph F., *Gettysburg, Pa.*  
 Gummel, Charles P., *Hanover, Pa.*

Haaf, Robert, *Salem, N. J.*  
 Hall, Melinda, *Baltimore, Md.*  
 Haltom, Martha A., *Martinsburg, W. Va.*  
 Hamilton, Frank W., *Haddonfield, N. J.*  
 Hamje, Carol J., *Rockville Centre, N. Y.*  
 Hammer, George C., *New York, N. Y.*  
 Hannas, Marilyn S., *Hollis, N. Y.*  
 Harding, Lois A., *Garden City, N. Y.*  
 Hardman, Raymond C., *Gettysburg, Pa.*  
 Harral, William, III, *Drexel Hill, Pa.*  
 Hawbaker, Nancy M., *Chambersburg, Pa.*  
 Hayes, James H., *Alexandria, Va.*  
 Heberle, Linda S., *Harrisburg, Pa.*  
 Hebrank, Jay C., *Demarest, N. J.*  
 Hecker, Carolyn A., *Embreaville, Pa.*  
 Heinbaugh, Lynn A., *Mercersburg, Pa.*  
 Hemings, William S., *Wayne, Pa.*  
 Hendrix, Sherman S., *Stratford, Conn.*  
 Henry, Paula S., *York, Pa.*  
 Herr, Robert L., II, *Harrisburg, Pa.*  
 Hershey, Richard B., *York, Pa.*  
 Hershey, Robert D., *Teaneck, N. J.*

Hetrick, Carroll R., *Manchester, Md.*  
 Hilliard, George, III, *Philadelphia, Pa.*  
 Hirling, Herbert W., *Teaneck, N. J.*  
 Hirst, Carol A., *Haddonfield, N. J.*  
 Hockenberry, Earle W., Jr., *Arlington, Va.*  
 Hoffman, Carolanne, *New Hyde Park, L. I., N. Y.*  
 Holzer, Richard J., *Easton, Md.*  
 Horn, Phyllis D., *Alexandria, Va.*  
 Horne, Bruce K., *Littitz, Pa.*  
 Horvath, Victor, *Lake Ronkonkoma, N. Y.*  
 Howard, Anne M., *Bethlehem, Pa.*  
 Humrichouse, Christopher P., *Southampton, Pa.*  
 Hunt, Joseph R., *Trenton, N. J.*  
 Hyson, Marlene B., *Fawn Grove, Pa.*

Ide, Anne R., *Arlington, Va.*  
 Ilgen, Harvey W., *Mifflinburg, Pa.*  
 Ilgenfritz, Nelson F., *Hellam, Pa.*

Jackson, Gary G., *Allentown, Pa.*  
 Jacobs, Louise A., *Newtown Square, Pa.*  
 Jacobs, Melvin L., Jr., *Camp Hill, Pa.*  
 Jacobsen, Lynn D., *Cranford, N. J.*  
 Johnson, Rolf C., *Gettysburg, Pa.*  
 Johnson, Walter E., *Brooklyn, N. Y.*  
 Johnson, Warren A., *East Rockaway, N. Y.*  
 Jones, Lucille B., *Bel Air, Md.*  
 Jones, Paul B., *Gettysburg, Pa.*

Kain, William B., *Wyomissing, Pa.*  
 Kellogg, Hugh M., *Westfield, N. J.*  
 Kelly, Robert L., *San Antonio, Texas*  
 Kerchner, Barry W., *Pottstown, Pa.*  
 Kerr, William M., *Clearfield, Pa.*  
 Kessler, Nancy L., *Hanover, Pa.*  
 Kilpatrick, Ruth, *Mount Holly, N. J.*  
 King, Bradford D., *Dedham, Mass.*  
 Kiser, Joseph W., *Johnstown, Pa.*  
 Kissner, George G., *Silver Spring, Md.*  
 Klein, Edward, *Great Neck, N. Y.*  
 Kleinfelter, Joseph H., *Harrisburg, Pa.*  
 Knafle, June D., *Philadelphia, Pa.*  
 Knapp, G. Leonard, *Silverdale, Pa.*  
 Koble, Linda A., *Pine Grove, Pa.*  
 Koehler, Lee N., *Baltimore, Md.*  
 Koenig, George E., *Paramus, N. J.*  
 Kornmann, Richard, *Lewistown, Pa.*  
 Krall, Ronald W., *Myerstown, Pa.*  
 Kress, Jay A., *Berkeley Heights, N. J.*  
 Kritcher, Larry N., *Phoenixville, Pa.*  
 Krug, Mary E., *Baltimore, Md.*  
 Kurzenknabe, Doris J., *Harrisburg, Pa.*

Lacambra, Jose M., *Bilbao, Spain*  
 Laird, Cleve W., *Cedar Grove, N. J.*  
 Lapeire, John F., *Bellerose, N. Y.*  
 Lark, Sarah L., *Anna Maria, Fla.*  
 LaRose, Julia A., *North Syracuse, N. Y.*  
 Larson, Connie L., *Smethport, Pa.*  
 Laubner, Frederick P., *East Stroudsburg, Pa.*  
 Leber, Gene S., *York, Pa.*  
 Lee, Raymond H., *Philadelphia, Pa.*  
 Lentz, Charles, IV., *Wyncote, Pa.*  
 Leshner, Alta E., *Clear Spring, Md.*  
 Lightner, Charles H., *Gettysburg, Pa.*  
 Liperote, George A., *Cadogan, Pa.*  
 Lockard, Charles, *Berwick, Pa.*  
 Lowe, William R., *Gettysburg, Pa.*  
 Lower, Charles E., *Lancaster, Pa.*  
 Lucas, Edward A., *Eddystone, Pa.*  
 Luckenbill, Curtis E., *Kutztown, Pa.*  
 Luftig, Frank, *New Rochelle, N. Y.*  
 Lunn, Carol A., *Barrington, N. J.*

- McCleaf, Edgar L., Jr., *Columbus, Ohio*  
 McClellan, Sarah K., *Glenolden, Pa.*  
 McClelland, Virginia, *Arlington, Va.*  
 McCracken, Jack, *Towanda, Pa.*  
 McCurdy, Harry D., *Baltimore, Md.*  
 McGaughy, David A., *Wyomissing, Pa.*  
 McGregor, Ralph H., *East Berlin, Pa.*  
 Marsh, Harry R., *Brooklyn, N. Y.*  
 Martin, Richard K., *Brookeville, Md.*  
 Matz, William M., *East Lansdowne, Pa.*  
 Melin, Earl R., *Garden City, N. Y.*  
 Menge, Johanna, *Dolgeville, N. Y.*  
 Metzler, Robert L., *York, Pa.*  
 Middleton, Cynthia L., *Haddonfield, N. J.*  
 Miele, Joseph P., *West Orange, N. J.*  
 Miller, Jack E., *Bainbridge, Pa.*  
 Miller, Lawrence A., Jr., *Phoenixville, Pa.*  
 Miller, Roger J., *Hagerstown, Md.*  
 Mitchell, Bruce E., *Washington, D. C.*  
 Mitchell, G. Raymond, Jr., *York, Pa.*  
 Monaghan, Edward, *Uniontown, Pa.*  
 Montgomery, Bernard P., *Baltimore, Md.*  
 Moran, David E., *Trevese, Pa.*  
 Moulton, Herbert F., *Norristown, Pa.*  
 Muller, Frederick, Jr., *Westfield, N. J.*  
 Munro, Mary A., *Elverson, Pa.*  
 Munzinger, John S., *Lansdale, Pa.*  
 Musch, Gordon F., *Baltimore, Md.*  
 Musser, Audrey H., *Mount Joy, Pa.*  
 Myers, Joan E., *Yeadon, Pa.*
- Nagle, David S., *Coatesville, Pa.*  
 Neher, Robert W., *Hempstead, N. Y.*  
 Neison, William T., Jr., *Minisink Hills, Pa.*  
 Ness, Patricia A., *York, Pa.*  
 Northrup, John C., *Tioga Center, N. Y.*  
 Norton, Douglas L., *Chappaqua, N. Y.*
- Oakley, Donald L., *North Wales, Pa.*  
 O'Malley, Thomas W., *Pittsburgh, Pa.*  
 Overmiller, Suzanne M., *Paoli, Pa.*
- Pacilio, Michael J., *Merrick, N. Y.*  
 Patti, Charles S., *Phillipsburg, N. J.*  
 Payne, Emily A., *Ellicott City, Md.*  
 Pazzo, Frederic J., *Jersey City, N. J.*  
 Pearson, Ralph L., *Quakertown, Pa.*  
 Peckham, James, *Troy, Pa.*  
 Pedersen, Frederick O., *Garden City, N. Y.*  
 Pennington, Elizabeth A., *Gettysburg, Pa.*  
 Pensinger, Brenda J., *Chambersburg, Pa.*  
 Peppler, Edward H., *Baltimore, Md.*  
 Perez, Roland Y., *Queens, N. Y.*  
 Perry, John J., *Metuchen, N. J.*  
 Petrillo, Lynn L., *Maywood, N. J.*  
 Pyles, Raymond H., *Baltimore, Md.*  
 Pintard, William M., *Red Bank, N. J.*  
 Plunkett, Sally A., *Ellwood City, Pa.*  
 Pokrifesak, John S., *Easton, Pa.*  
 Puerta, Richard L., *Flourtown, Pa.*
- Quigley, Keith B., *Lemoine, Pa.*
- Raff, Malcolm I., *Bayonne, N. J.*  
 Raffensperger, Harry J., *Bethlehem, Pa.*  
 Rauch, Kenneth, *White House Station, N. J.*  
 Reaser, Clayton P., *Gettysburg, Pa.*  
 Reather, Carol M., *Baltimore, Md.*  
 Reeder, Taylor P., *Jenkintown, Pa.*  
 Reichgott, Michael J., *South Orange, N. J.*  
 Reiner, Rodger L., *Freeport, N. Y.*  
 Reisz, Howard F., Jr., *Pittsburgh, Pa.*  
 Rementer, Valva G., *Yeadon, Pa.*  
 Rempp, Judith A., *York, Pa.*  
 Richardson, Randolph G., *Reisterstown, Md.*  
 Robbins, Harold, *Catawissa, Pa.*  
 Roberts, Gerald W., *Gettysburg, Pa.*
- Rockafellow, Douglas F., *Frenchtown, N. J.*  
 Rocklein, Joseph E., *Mt. Sinai, N. Y.*  
 Roesch, John A., Jr., *Wayne, N. J.*  
 Rose, John H., *Merrick, N. Y.*  
 Russell, Maud J., *Newburgh, N. Y.*
- Schalick, George R., *Centerton, N. J.*  
 Scharek, Hannelore, *Palmyra, Pa.*  
 Schiff, Thomas E., *Philadelphia, Pa.*  
 Schmidt, Mary E., *Bogota, N. J.*  
 Schoeller, Eleanor E., *Mickleton, N. J.*  
 Schofield, Mary B., *Philadelphia, Pa.*  
 Schultz, Marilyn R., *Elmhurst, Ill.*  
 Scott, Robert A., *Philadelphia, Pa.*  
 Seitter, George H., *Philadelphia, Pa.*  
 Sensenig, Darryl L., *Ephrata, Pa.*  
 Shallock, Paul, *Fords, N. J.*  
 Shook, Lois K., *Glenside, Pa.*  
 Shuey, Sidney L., *Wiconisco, Pa.*  
 Silber, Leon D., *Flushing, N. Y.*  
 Sippel, Ellen F., *Valley Stream, N. Y.*  
 Sleight, Henry B., Jr., *Schenectady, N. Y.*  
 Smith, Deborah S., *Chambersburg, Pa.*  
 Smith, Margaret, *Gettysburg, Pa.*  
 Smith, Richard C., *Hawthorne, N. J.*  
 Snyder, Beryl, *Chambersburg, Pa.*  
 Snyder, William, III, *Baltimore, Md.*  
 Speck, John K., *Pittsburgh, Pa.*  
 Speck, Myrna K., *Saylorsburg, Pa.*  
 Spirm, Arthur L., *Rockville Centre, L. I., N. Y.*
- Stabile, Helen M., *Raritan, N. J.*  
 Stang, Peter C., *Silver Spring, Md.*  
 Stillings, Patricia C., *Littleton, N. H.*  
 Stipe, Thomas W., *Wallingford, Pa.*  
 Stoddard, Susan F., *Lancaster, Pa.*  
 Stoner, Ronald K., *East Berlin, Pa.*  
 Sweigart, Patricia A., *Ephrata, Pa.*  
 Sweney, Mary K., *Hershey, Pa.*
- Taylor, C. Douglas, *Gettysburg, Pa.*  
 Taylor, Elizabeth J., *Chatham, N. J.*  
 Temme, Francis W., *Philadelphia, Pa.*  
 Test, Gary W., *York, Pa.*  
 Tholan, Kenneth M., *Havertown, Pa.*  
 Thoman, Daniel L., *Spring Grove, Pa.*  
 Thomas, Audrey B., *Swedesboro, N. J.*  
 Thomas, Nancy, *Lansford, Pa.*  
 Tinsman, John L., Jr., *Media, Pa.*  
 Trautwein, John V., *Baltimore, Md.*
- Velten, Ernest C., *Baltimore, Md.*  
 Vogelsong, Edward L., *Harrisburg, Pa.*  
 Volkman, George W., *Baltimore, Md.*
- Wagner, Jean E., *Palmyra, Pa.*  
 Wagner, Robert Z., *White Plains, N. Y.*  
 Wagnild, Jon P., *Gettysburg, Pa.*  
 Walker, James L., *Somerset, Pa.*  
 Wallace, Doris E., *Woodbury, N. J.*  
 Warrenfeltz, Donald R., Jr., *Hagerstown, Md.*  
 Wedra, Arthur, *Green Creek, N. J.*  
 Weeks, Judith L., *Arlington, Va.*  
 Wenger, Elizabeth, *Elizabethtown, Pa.*  
 Wenz, Barry, *Brooklyn, N. Y.*  
 Werneke, Susan E., *Brewster, N. Y.*  
 Wert, Philip L., *Laurel, Pa.*  
 White, Weston, Jr., *Port Washington, N. Y.*  
 Whyte, Robert M., Jr., *West Hempstead, N. Y.*  
 Wikfeld, Freya, *Staten Island, N. Y.*  
 Williams, David R., *Westfield, N. J.*  
 Willson, Thomas L., *Shoreham, Vt.*  
 Wilson, Donald M., *Morristown, N. J.*  
 Wilson, Miriam, *Gettysburg, Pa.*



Wilson, Sandra L., *San Diego, Calif.*  
 Wineholt, Robert L., *York, Pa.*  
 Wiseman, Donald C., *Abbottstown, Pa.*  
 Wismer, Nancy, *Souderton, Pa.*  
 Wood, Lawrence R., *Chester, Pa.*  
 Wood, Stephen L., *Havertown, Pa.*  
 Woodruff, Frank A., *Elizabeth, N. J.*  
 Wright, Wayne W., *Gloucester, N. J.*  
 Wright, William C., *Rutherford, N. J.*

Wright, William M., *West Chester, Pa.*  
 Wysocki, Allan S., *Berwick, Pa.*

Yingling, James A., *Union Bridge, Md.*  
 Yocum, Ronald H., *Drexel Hill, Pa.*  
 Yohn, Wayne I., *Havertown, Pa.*  
 Young, Alan F., *Tenafly, N. J.*

Zeim, Ernest P., *Cedar Grove, N. J.*  
 Zieger, David H., *Willow Grove, Pa.*

## Sophomores, Class of 1962

Achenbach, Elizabeth, *Lock Haven, Pa.*  
 Aitken, Thelma, *Delanco, N. J.*  
 Algoe, Mary Jane, *Solebury, Bucks Co., Pa.*  
 Allen, Robert A., *Wethersfield, Conn.*  
 Anderson, Diane, *Valley Stream, N. Y.*  
 Anderson, Karin, *Queens Village, N. Y.*  
 Andrews, Joyce A., *Washington, D. C.*  
 Andrews, Robert W., *North Hills, Pa.*  
 Archipley, Thomas E., *Linden, N. J.*  
 Athanas, Daphne, *Arlington, Va.*  
 Atkinson, Robert L., *Upper Darby, Pa.*

Bailey, John, *Oakmont, Pa.*  
 Bainbridge, Richardson, *Merion, Pa.*  
 Baker, Charlotte A., *Emmaus, Pa.*  
 Baker, Peter M., *Rahway, N. J.*  
 Bankert, Richard B., *Lansdale, Pa.*  
 Barclay, James, *Port Chester, N. Y.*  
 Baugher, William F., *Roselle, N. J.*  
 Beal, Gretchen, *Pittsburgh, Pa.*  
 Benigno, Frank D., *Levittown, N. Y.*  
 Bigger, Ralph E., Jr., *Paulsboro, N. J.*  
 Bilbie, Gary T., *York, Pa.*  
 Birdsall, Lovey E., *Valley Stream, N. Y.*  
 Bishop, Sharon R., *Olney, Md.*  
 Bitner, Craig, *Shiremanstown, Pa.*  
 Black, Clyde O., *Roaring Spring, Pa.*  
 Bloom, June, *Floral Park, N. Y.*  
 Bonneville, Suzanne, *Flushing, N. Y.*  
 Bonney, Stephen B., *Drexel Hill, Pa.*  
 Boone, Donald G., *Baltimore, Md.*  
 Booth, David E., *Silver Spring, Md.*  
 Borneman, Henry G., *Boyertown, Pa.*  
 Botsis, Virginia, *Ardmore, Pa.*  
 Bowen, Richard L., *Long Valley, N. J.*  
 Boyd, Elaine M., *Wayne, N. J.*  
 Brinkman, Margaret E., *Miami Beach, Fla.*  
 Broditch, Irene H., *Cornwell Heights, Pa.*  
 Brotman, Sheldon I., *Baltimore, Md.*  
 Brown, Donald C., *Haddonfield, N. J.*  
 Brown, Lynn, *Moorestown, N. J.*  
 Brown, Walker T., *Port Washington, L. I., N. Y.*  
 Burchell, Edgar B., III, *Mamaroneck, N. Y.*  
 Burke, Thomas, Jr., *West Caldwell, N. J.*  
 Burnett, George, Jr., *Salisbury, Md.*  
 Buzby, Lynn E., *Philadelphia, Pa.*

Cacciarelli, Alexander, *Belleville, N. J.*  
 Calvery, George, *Mercersburg, Pa.*  
 Campbell, Rowena, *Franklin Lakes, N. J.*  
 Carback, Barbara L., *Thurmont, Md.*  
 Carmick, Stephen C., *Upper Darby, Pa.*  
 Carpenter, Donald M., *Berkeley Heights, N. J.*  
 Carson, Andrea J., *Chardon, Ohio*  
 Casey, Hal R., *Maplewood, N. J.*  
 Cassidy, William J., Jr., *Abington, Pa.*  
 Caulwell, John P., *Narberth, Pa.*  
 Chalmers, Wayne C., *Flourtown, Pa.*  
 Chatkewitz, Alexander, *Rosedale, N. Y.*  
 Chillingworth, William, *Williamsport, Pa.*

Clement, David H., *Windber, Pa.*  
 Coble, Robert T., *Pittsburgh, Pa.*  
 Cocklin, Theresa A., *Shippensburg, Pa.*  
 Collins, K. Lee, *Rockville, Conn.*  
 Coulton, Florence R., *Hamilton Square, N. J.*  
 Cox, Richard H., *Basking Ridge, N. J.*  
 Cox, Ronald W., *Pikesville, Md.*  
 Coyle, Carolyn P., *Pennington, N. J.*  
 Cramer, Russell C., II, *Shawnee-on-Delaware, Pa.*  
 Culler, Judith L., *Westminster, Md.*  
 Curchin, Judith, *Rochester, N. Y.*

Dahlgard, Christian H., *Sands Point, N. Y.*  
 Dallmeyer, Priscilla E., *York, Pa.*  
 Darold, Alfred J., *New York City, N. Y.*  
 Dearcopp, Joanne, *West Milford, N. J.*  
 Dellinger, Janice, *Reading, Pa.*  
 Demas, William S., *Washington, D. C.*  
 Dendler, Royce A., *Berwick, Pa.*  
 DePugh, Denise A., *Audubon, Pa.*  
 Despreaux, Carl W., *Rumson, N. J.*  
 Ditzler, Ronald L., *Gettysburg, Pa.*  
 Dodds, John M., *Grosse Pointe Farms, Mich.*  
 Doerschner, Robert P., *Haddonfield, N. J.*  
 Donges, David A., *Davidsville, Pa.*  
 Downs, David S., *Newtown, Bucks Co., Pa.*  
 Dracha, Richard W., *Gettysburg, Pa.*  
 Draper, Cyrus R., *Ridgewood, N. J.*  
 Dreyer, Douglas C., *Asbury Park, N. J.*  
 Dunlap, Bonnie L., *Mt. Holly Springs, Pa.*

Eaton, Charles M., *Cranford, N. J.*  
 Edmondson, Carol, *Easton, Pa.*  
 Ehrhart, David B., *Glennville, Pa.*  
 Elmer, Donna, *Bronxville, N. Y.*  
 Engel, Pauline Ann, *Holmdel, N. J.*  
 Ensor, Joanna M., *Towson, Md.*  
 Ensor, Margaret S., *Lutherville, Md.*

Farrow, Gerald B., *Snyder, N. Y.*  
 Feigel, Barbara, *Philadelphia, Pa.*  
 Fine, Richard B., *Forest Hills, N. Y.*  
 Fink, Marvin, *Emigsville, Pa.*  
 Fitzgerald, Joseph, *Wanamassa, N. J.*  
 Fleming, John J., III, *Havertown, Pa.*  
 Forgie, Raymond, *Marysville, Pa.*  
 Francisco, Helen F., *Andover, N. J.*  
 Frankel, Steven, *New Rochelle, N. Y.*  
 Freiberg, Evelyn, *Karachi, Pakistan*  
 Friesinger, Lorraine R., *Philadelphia, Pa.*  
 Fritzinger, George O., *Allentown, Pa.*

Gardner, John E., *Fairfax, Va.*  
 Gattey, Robert L., *Springfield, Pa.*  
 Gaumnitz, Jean, *Washington, D. C.*  
 Gelbert, Marianne E., *Pittsburgh, Pa.*  
 Gillespie, Joyce A., *Brooklyn, N. Y.*  
 Gillinder, Frederick R., *Lansdale, Pa.*  
 Gimmy, Mary K., *Reading, Pa.*  
 Ginn, Hubert B., *Phillipsburg, N. J.*  
 Goecke, Elizabeth, *Middle Village, N. Y.*



Goldner, Richard J., *Newark, N. J.*  
 Gore, King W., *Baltimore, Md.*  
 Gracey, Barbara M., *Collingswood, N. J.*  
 Grauch, Robert R., Jr., *Wynnewood, Pa.*  
 Graves, Elizabeth E., *Croton-on-Hudson, N. Y.*  
 Gray, Robert Y., *Ridgewood, N. J.*  
 Green, Thomas J., *Lilly, Pa.*  
 Griggs, Gail G., *Stores, Conn.*  
 Grimaldi, Margaret F., *Scotch Plains, N. J.*  
 Grossman, Leland, *Magnolia, N. J.*  
 Grover, David E., *E. Brunswick, N. J.*

Haer, Marilyn R., *Warren, Pa.*  
 Hake, Terry H., *York, Pa.*  
 Hall, Frances A., *Nutley, N. J.*  
 Hamilton, Judith M., *Syracuse, N. Y.*  
 Hammond, Elaine H., *Syoset, N. Y.*  
 Hartwell, John B., *Brookton, Mass.*  
 Hauck, Mary B., *Neffsville, Pa.*  
 Haydu, Suzanne J., *Short Hills, N. J.*  
 Heesen, Robert B., *Beaver Falls, Pa.*  
 Heilman, John T., Jr., *York, Pa.*  
 Heinze, Ronald O., *Hagerstown, Md.*  
 Heiser, Barbara A., *Williamsport, Pa.*  
 Hendricks, Richard E., *Catawissa, Pa.*  
 Herb, William S., *Somerset, Pa.*  
 Herman, Paul A., *Lancaster, Pa.*  
 Hermann, Suzanne K., *Lafayette, N. J.*  
 Herrington, John H., *Troy, Pa.*  
 Hertzler, Kenneth W., *Bristol, Pa.*  
 Herzog, Karl A., *Churchville, Pa.*  
 Hess, Ronald F., *Orrtanna, Pa.*  
 Hey, Donald, *Butler, N. J.*  
 Hiddemen, Joseph W., *Springfield, Pa.*  
 Hildebrandt, Joan M., *Williston Park, N. Y.*  
 Hilgen, Robert F., *Leonia, N. J.*  
 Hill, Janice R., *Norristown, Pa.*  
 Hoehne, Victoria R., *E. Stroudsburg, Pa.*  
 Hoff, Joanna H., *Wellsville, Pa.*  
 Hoffman, Mary E., *Fairfield, Pa.*  
 Hoffman, Mary Louise, *Lansdale, Pa.*  
 Hoffman, William A., *Ickesburg, Pa.*  
 Holdridge, Sally L., *Newton, Mass.*  
 Hormann, Paulina, *Honolulu, Hawaii*  
 Hotchkiss, Mary E., *Springfield, Pa.*  
 Howard, Virginia A., *Livingston, N. J.*  
 Hudson, Daniel, *Mars, Pa.*  
 Huey, Linda L., *Fort Washington, Pa.*  
 Hummel, Conrad C., *Easton, Pa.*  
 Hunt, David O., *Ephrata, Pa.*  
 Hutton, John E., *Hanover, Pa.*

Ingerle, Jay N., Jr., *Philadelphia, Pa.*  
 Inman, Lois E., *Towson, Md.*

Jacobs, Craig, *York, Pa.*  
 Jacobs, Sylvia Y., *Camp Hill, Pa.*  
 Jaeger, Robert A., *N. Syracuse, N. Y.*  
 Jansen, Betty H., *White Plains, N. Y.*  
 Jarrell, William F., *Baltimore, Md.*  
 Johnson, Calvert K., Jr., *Baltimore, Md.*  
 Johnson, Charles, *Allentown, Pa.*  
 Johnson, Harold, Jr., *Schenectady, N. Y.*  
 Johnson, James R., *Winfield, Pa.*  
 Johnson, Kerry, *Wantagh, N. Y.*  
 Johnson, Sandra L., *Lansdowne, Pa.*

Karr, Blaine, *Yoe, Pa.*  
 Kauffman, Ned M., *York, Pa.*  
 Keeports, Richard L., *Dallastown, Pa.*  
 Keller, Charles R., *Waynesboro, Pa.*  
 Kendall, Nancy D., *Red Bank, N. J.*  
 Kerr, Gary L., *York, Pa.*  
 Kester, William A., *Media, Pa.*  
 Kirchoff, William T., *Suedesboro, N. J.*  
 Kitzmiller, Michael B., *Salisbury, Md.*

Klauck, E. Russell, *Van Nuys, Calif.*  
 Klinger, Bonnie J., *Springfield, Pa.*  
 Knudsen, John T., *Wellsboro, Pa.*  
 Kohlhepp, Virgil, *Gettysburg, Pa.*  
 Kraybill, Evelyn J., *Elizabethtown, Pa.*  
 Krayner, Richard T., *Haddon Heights, N. J.*  
 Kreutz, Claire, *Northfield, N. J.*  
 Kron, Gerald J., *Mt. Kisco, N. Y.*  
 Kuhn, Carolyn A., *Middletown, Pa.*

Lahr, Bruce A., *Staten Island, N. Y.*  
 Landis, Susan, *Pennsburg, Pa.*  
 Lange, Carol L., *Wilmington, Dela.*  
 Lawley, Charles, *Wyoming, Pa.*  
 Lebo, Carol, *Neffsville, Pa.*  
 Lillich, Jerry, *Abbottstown, Pa.*  
 Lindley, Annabel, *Baltimore, Md.*  
 Lindley, Irvin W., *Springfield, Pa.*  
 Lindsey, Richard O., *Haddon Heights, N. J.*  
 Lingenfelter, Charles, *Harrisburg, Pa.*  
 Lipani, Vincent P., *N. Plainfield, N. J.*  
 Little, Earl M., *Gettysburg, Pa.*  
 Lloyd, Peter, *Lansdowne, Pa.*  
 Lockwood, James G., *The Plains, Va.*  
 Long, John, *Greenville, Dela.*  
 Looker, Terry, *Camp Hill, Pa.*  
 Loubis, Paul E., II, *Clearfield, Pa.*

McGee, Sara, *Jacksboro, Texas*  
 McGrail, Eric R., *Woodbury, N. J.*  
 McGreal, Richard, *Union, N. J.*  
 McHargue, Kathryn A., *Bladensburg, Md.*  
 McIntyre, Marlene, *Corry, Pa.*  
 McKeen, Robert W., *Haverhill, Mass.*  
 MacNett, Richard L., *East Orange, N. J.*  
 Maisel, Norman, *Harrisburg, Pa.*  
 Martinuss, George, *Baltimore, Md.*  
 Mason, Barbara, *Drexel Hill, Pa.*  
 Matozzo, Francis J., *Norristown, Pa.*  
 Mattingly, John M., *Washington, D. C.*  
 Mattson, Judith L., *Chevy Chase, Md.*  
 Messersmith, Dale, *York, Pa.*  
 Michelson, Karen W., *Westfield, N. J.*  
 Middlemast, Nancy S., *Hicksville, N. Y.*  
 Miller, Gerald B., *Feasterville, Pa.*  
 Miller, H. Lucille, *Clear Spring, Md.*  
 Miller, John J., *Sunbury, Pa.*  
 Miller, Merle, *Baltimore, Md.*  
 Mills, Carolyn, *Haddonfield, N. J.*  
 Minnich, Ellen C., *Ephrata, Pa.*  
 Missell, Rita, *Baltimore, Md.*  
 Michell, Richard, *Fair Lawn, N. J.*  
 Moore, Mary A., *Norristown, Pa.*  
 Moran, Bayard S., *Philadelphia, Pa.*  
 Moss, Peter J., *Kew Gardens, N. Y.*  
 Motkoski, Betty, *Orrtanna, Pa.*  
 Mowlds, Thomas, *Baltimore, Md.*  
 Moyer, M. Patricia, *Doylestown, Pa.*  
 Muller, Robert W., *Teaneck, N. J.*  
 Mumford, John D., *Wadsworth, Ohio*  
 Mummert, James A., *Spring Grove, Pa.*  
 Mundscheck, Paul E., *Port Washington, L. I., N. Y.*  
 Munnich, Joyce J., *Mountainside, N. J.*  
 Myers, Donald E., *Dover, Pa.*  
 Myers, Lawrence A., *Braford, Pa.*

Naughton, Gary L., *Mt. Vernon, N. Y.*  
 Naylor, James D., *Lambertville, N. J.*  
 Newman, Henry E., *Clarks Summit, Pa.*  
 Nickell, Joanna, *Hagerstown, Md.*  
 Northup, John H., *Lititz, Pa.*  
 Norwood, Jack, *Baltimore, Md.*  
 Noyes, Leslie, *Stratford, Conn.*  
 Nusbaum, Barbara A., *Harrisburg, Pa.*

Olsen, Norberth L., *Hockessin, Dela.*

- Oudemool, Dirk J., *Kingston, N. Y.*  
 Owen, Carol E., *Teaneck, N. J.*  
 Oxley, Sandra L., *Jenkintown, Pa.*
- Page, Suzanne A., *Baltimore, Md.*  
 Papoutsis, James G., *Waynesboro, Pa.*  
 Parker, Robert C., *Yeadon, Pa.*  
 Parker, Sidney N., *Hasbrouck Heights, N. J.*  
 Paul, Patricia, *West Chester, Pa.*  
 Payne, Judith B., *New Hyde Park, L. I., N. Y.*  
 Pearson, Carl, Jr., *Dumont, N. J.*  
 Perkins, Thomas F., *Havertown, Pa.*  
 Peters, Wilda B., *Baltimore, Md.*  
 Peterson, Larry, *Van Nuys, Calif.*  
 Pfeiffer, Alice, *Albany, N. Y.*  
 Plaganis, James, *New Brunswick, N. J.*  
 Plain, Walter R., *Tyler Hill, Pa.*  
 Ponsiglione, Gerald J., *Brooklyn, N. Y.*  
 Powell, Pamela J., *Alexandria, Va.*  
 Powers, David F., *Brooklyn, N. Y.*  
 Powers, Patricia H., *York, Pa.*  
 Pradel, Richard P., *Trenton, N. J.*  
 Preston, Jeffrey M., *Ridgewood, N. J.*
- Radel, Marilyn K., *Penbrook, Harrisburg, Pa.*  
 Ratzman, Judith R., *Roselle, N. J.*  
 Reade, Elizabeth, *Nutley, N. J.*  
 Reaser, Joel, *Gettysburg, Pa.*  
 Reese, Carol A., *Trenton, N. J.*  
 Reese, Charles M., Jr., *Buck Hill Falls, Pa.*  
 Remsberg, Philip, *Carlisle, Pa.*  
 Richardson, Donald, *Merrick, L. I., N. Y.*  
 Richter, Harry, *Bethlehem, Pa.*  
 Ritter, Mary L., *Littlestown, Pa.*  
 Roberts, Diane F., *Carversville, Pa.*  
 Roberts, George K., *Plymouth Meeting, Pa.*  
 Rockefeller, Richard, *Port Chester, N. Y.*  
 Roe, Josephine B., *Frostburg, Md.*  
 Roeder, Lee, *Line Lexington, Pa.*  
 Rohrer, Linda I., *Springfield, Dela. Co., Pa.*  
 Roos, Barbara, *Bay Shore, L. I., N. Y.*  
 Rosvold, Hans, *Brooklyn, N. Y.*  
 Rotunda, Carol Ann, *Annuville, Pa.*  
 Roxby, Robert, *Glenside, Pa.*  
 Royer, Nancy S., *Lynchburg, Va.*  
 Russo, Virginia M., *Trenton, N. J.*
- Sarvis, William, *Tappan, N. Y.*  
 Sassaman, Annabelle, *Hummelstown, Pa.*  
 Scharfe, Linda, *Irrington, N. J.*  
 Scheihing, Christine, *Philadelphia, Pa.*  
 Schmucker, James D., *Islip, N. Y.*  
 Schomp, Royal, *Fairfield, Conn.*  
 Schriver, Carolyn A., *York, Pa.*  
 Schults, Barbara, *Rahway, N. J.*  
 Schulz, E. Ann, *Marion, Va.*  
 Seberhagen, Meredith L., *Philadelphia, Pa.*  
 Sedwick, Georgia, *Kittanning, Pa.*  
 Seeley, Douglas C., *Kensington, Md.*  
 Seelig, John C., *Jackson Heights, N. Y.*  
 Seewagen, Barbara M., *Bayside, L. I., N. Y.*  
 Seippel, William, *Baltimore, Md.*  
 Shantz, Stephen, *Plymouth Meeting, Pa.*  
 Shelly, Elizabeth Jean, *Harrisburg, Pa.*  
 Shockey, Mark B., *Waynesboro, Pa.*  
 Sholly, Colleen G., *Myerstown, Pa.*  
 Simcoe, Larry P., *Troy, Pa.*  
 Sims, Robert, *Philadelphia, Pa.*  
 Simpson, Richard B., *Sunbury, Pa.*  
 Sites, Edward, *Fayetteville, Pa.*  
 Sloop, Dortha, *Baltimore, Md.*  
 Smith, David, *Highspire, Pa.*  
 Smith, Ellen A., *Frederick, Md.*  
 Smith, Robert P., *Roosevelt, N. Y.*  
 Snow, Ernest, *Haddon Heights, N. J.*
- Snyder, Don H., *Washington, D. C.*  
 Snyder, Earle, *Hanover, Pa.*  
 Sober, Sue, *Fort Bragg, N. C.*  
 Starliper, James, *Middletown, Pa.*  
 Steele, Suzanne, *Richmond, Va.*  
 Sterner, Linda, *Hanover, Pa.*  
 Stewart, Carol Ann, *Berlin, N. J.*  
 Stoner, Joan, *Gettysburg, Pa.*  
 Storck, Carolyn J., *Far Hills, N. J.*  
 Stough, Evelyn, *York, Pa.*  
 Strange, Nancy, *Drexel Hill, Pa.*  
 Straw, Irvin, Jr., *York, Pa.*  
 Stryker, Scott H., *Wanamassa, N. J.*  
 Study, Larry, *Hanover, Pa.*  
 Sulena, Antonia, *Philadelphia, Pa.*  
 Sundin, Eugenia, *Arlington, Va.*  
 Swyers, John W., *Scarsdale, N. Y.*  
 Sylvester, Horst, *Brooklyn, N. Y.*
- Taylor, Elizabeth J., *West Chester, Pa.*  
 Ten Eyck, Stephen, *Loudonville, N. Y.*  
 Thayer, Gordon, *Braintree, Mass.*  
 Thompson, Barbara, *Beaufort, S. C.*  
 Thompson, Carolyn, *York, Pa.*  
 Thompson, Jeanne K., *Lafayette Hill, Pa.*  
 Trunk, Anne, *Coatesville, Pa.*  
 Trunk, Charles, *Frederick, Md.*  
 Tullsen, John P., *Westfield, N. J.*  
 Tyson, Susan, *Doylestown, Pa.*
- Unger, Warren L., *Easton, Pa.*  
 Urofsky, John, *Easton, Pa.*
- VanCleaf, Sandra J., *Westbury, N. Y.*  
 Vandever, John J., *Harddon Heights, N. J.*  
 VanHeertum, Ronald, *Palisades Park, N. J.*  
 Veleber, Richard S., *Rochelle Park, N. J.*  
 Vitko, Donald R., *Stratford, Conn.*
- Wagner, Karl A., *Milford, Pa.*  
 Wahl, Charles R., *Bernardsville, N. J.*  
 Walker, James G., *York, Pa.*  
 Walsh, Linda L., *Tarrytown, N. Y.*  
 Walters, Michele L., *Altoona, Pa.*  
 Wang, Joseph, *Philadelphia, Pa.*  
 Wargo, Philip M., *Shamokin, Pa.*  
 Warner, Ronald L., *York, Pa.*  
 Wasner, Earle G., *Philadelphia, Pa.*  
 Weidemyer, Elva A., *Baltimore, Md.*  
 Weidensaul, Thomas, *Reedsville, Pa.*  
 Weiner, Arlene H., *Hasbrouck Heights, N. J.*  
 Wertman, Shirley, *Silver Spring, Md.*  
 Whitacre, Linda J., *Springfield, Ohio*  
 Whitcraft, James, *West Chester, Pa.*  
 White, Camille J., *Berwyn, Pa.*  
 White, James M., *Malvern, Pa.*  
 Wiegmann, Joan A., *Meadowbrook, Pa.*  
 Wilkerson, John, *Harrisburg, Pa.*  
 Williams, Carol, *Sunnyside, N. Y.*  
 Wilson, Boyd K., *Lancaster, Pa.*  
 Wilson, Elizabeth A., *York, Pa.*  
 Wilson, John H., *Bridgeport, Pa.*  
 Wiltshire, E. Lynn, *Brooklyn, N. Y.*  
 Winters, Linda, *Yonkers, N. Y.*  
 Wisniewski, Frank, *Stratford, N. J.*  
 Witt, James L., *Aspers, Pa.*  
 Wolfe, Franklin A., *Pine Grove, Pa.*  
 Wolford, Joyce, *York, Pa.*  
 Woltersdorf, Robert J., *Philadelphia, Pa.*  
 Woolf, Donna, *Caldwell, N. J.*  
 Wright, Richard A., *Glastonbury, Conn.*  
 Wyker, Donald C., *Newton, N. J.*
- Yeager, Julia, *Haddonfield, N. J.*  
 Yingling, Carl G., *Hanover, Pa.*  
 Yost, Michael, *Hanover, Pa.*  
 Young, John H., *Shamokin, Pa.*

Zedelis, Robert V., *West Hempstead, L. I., N. Y.*  
 Zerbe, Judith, *Harrisburg, Pa.*

Zumeta, Linda, *Roslyn Heights, L. I., N. Y.*  
 Zurowski, Marsha J., *Emmaus, Pa.*

## Freshmen, Class of 1963

Achor, Lani B., *Kauai, Hawaii*  
 Ahrens, Richard, *New York, N. Y.*  
 Aitchison, Barbara, *Silver Spring, Md.*  
 Akolakar, Shyam, *Indore M.P., India*  
 Ammarell, Edward, *Spring City, Pa.*  
 Anderson, Betty M., *Allendale, N. J.*  
 Anderson, Bonnie, *Allendale, N. J.*  
 Anderson, Janet, *Metuchen, N. J.*  
 Anspach, William, *Reading, Pa.*  
 Arnold, Edward T., Jr., *York, Pa.*  
 Ash, Heather G., *Lafayette Hill, Pa.*  
 Atkins, Paul, *Decatur, Ill.*  
 Atkinson, Valerie, *Scarsdale, N. Y.*  
 Bailey, Ronald, *York, Pa.*  
 Baker, Barbara B., *Johnstown, Pa.*  
 Baker, Barbara J., *Rahway, N. J.*  
 Barker, Robert, *Bedford, N. Y.*  
 Barnes, William, *Bethlehem, Pa.*  
 Barrett, James, *Paulsboro, N. J.*  
 Baugher, Joseph, *Monokin, Md.*  
 Baumann, John, *Pompton Plains, N. J.*  
 Baumgardner, Nancy, *Baltimore, Md.*  
 Baxter, John, *West Englewood, N. J.*  
 Bellamy, Carol, *Scotch Plains, N. J.*  
 Bennett, Brian, *Bryn Mawr, Pa.*  
 Berrien, Carol, *Trenton, N. J.*  
 Bertolet, William, *Hanover, Pa.*  
 Bicknell, Gary, *North Plainfield, N. J.*  
 Bikle, Charles, *Chambersburg, Pa.*  
 Binkley, Linda, *Blue Ball, Pa.*  
 Blackburn, Merritt, *Norristown, Pa.*  
 Bligh, Michael, *Oreland, Pa.*  
 Block, Frederic, *Woodbury, N. J.*  
 Blose, Claire, *Greensburg, Pa.*  
 Bodo, Carl, *Eastchester, N. Y.*  
 Bollinger, Ronald, *Hanover, Pa.*  
 Bonnett, Craig, *Fairfield, Conn.*  
 Boockoff, Louis, *Collingswood, N. J.*  
 Bootay, Gary, *Bloomsfield, N. J.*  
 Boothroyd, Judith, *Huntingdon Valley, Pa.*  
 Bowers, Miriam, *Moorestown, N. J.*  
 Brandt, Diana, *Carversville, Pa.*  
 Branning, David, *Radnor, Pa.*  
 Brauer, Marilyn, *Ridgefield, N. J.*  
 Braunwarth, Deborah, *Elkins Park, Pa.*  
 Bretherton, Norman, *Floral Park, N. Y.*  
 Brown, Elizabeth, *Glenide, Pa.*  
 Brown, Georgeanne, *Plymouth Meeting, Pa.*  
 Brown, Rebecca, *York, Pa.*  
 Burden, Donald, *New Milford, Conn.*  
 Burke, George, *Ridley Park, Pa.*  
 Burkhardt, Ellis, *Mt. Ephraim, N. J.*  
 Busick, Robert J., III, *Baltimore, Md.*  
 Butler, Fred, *Washington, D. C.*  
 Carr, Janet, *Norristown, Pa.*  
 Caswell, Pamela, *Jenkintown, Pa.*  
 Charles, Carol, *Philadelphia, Pa.*  
 Charsha, John, *Kennett Square, Pa.*  
 Church, Garett, *Blauvelt, N. Y.*  
 Ciavarelli, Gennara, *Ambler, Pa.*  
 Clardy, Alice, *Orangeburg, N. Y.*  
 Clegg, Nancy, *Norwich, Conn.*  
 Clifford, Donald, *Pennsauken, N. J.*  
 Clifford, Nan, *Lewistown, Pa.*  
 Clower, Richard, *Roanoke, Va.*  
 Cockey, Joshua, *Monkton, Md.*  
 Collins, E. Louise, *Gettysburg, Pa.*

Collins, George D., *Mt. Vernon, N. Y.*  
 Colyer, Barry, *Oberlin, Pa.*  
 Conley, Christine, *Springdale, Pa.*  
 Conner, John, *Pittsburgh, Pa.*  
 Connolly, John F., *Port Chester, N. Y.*  
 Cooley, Ernest, *Chalfont, Pa.*  
 Cooper, Harold, *Orleans, Mass.*  
 Cooper, Susan, *Rahway, N. J.*  
 Corbett, Mary-Helen, *Abington, Pa.*  
 Corderman, Donald, *Hagerstown, Md.*  
 Cornelius, Scott, *Narberth, Pa.*  
 Couchman, Glen R., *Hagerstown, Md.*  
 Council, Ronald, *Media, Pa.*  
 Cowan, Jeanne, *New York, N. Y.*  
 Crego, Byron, *Camp Hill, Pa.*  
 Crew, Kathryn, *Springfield, Pa.*  
 Cronan, Maureen, *Wyomissing, Pa.*  
 Crouse, Ethel, *Haddonfield, N. J.*  
 Crytzer, Phyllis, *New Bloomfield, Pa.*  
 Cummins, Arthur, *Bound Brook, N. J.*  
 Cunningham, John, *Garden City, N. Y.*  
 Cunningham, Susan, *Baltimore, Md.*  
 Danehower, Joyce, *Aldan, Pa.*  
 D'Angelo, James, *Glen Ridge, N. J.*  
 Davies, Elizabeth, *Norristown, Pa.*  
 Davis, Walter, *Aldan, Pa.*  
 Dayton, Virginia, *Dunellen, N. J.*  
 De Angelo, Floyd, *Port Jefferson Station, N. Y.*  
 Deardorff, George, *York, Pa.*  
 DeLaney, Richard, *Stratford-Wayne, Pa.*  
 Deming, Susan, *Cheshire, Conn.*  
 De Nouvelles, Frank, *Carle Ridge, N. J.*  
 dePalo, William, *Neptune, N. J.*  
 Deutsch, Gabriel, *Gettysburg, Pa.*  
 Dilcher, Nancy, *Pottsville, Pa.*  
 Dingler, Judith, *Jersey Shore, Pa.*  
 Dintaman, Joseph, *Camp Hill, Pa.*  
 Dittmann, James, *Harrisburg, Pa.*  
 Donaldson, Thomas, *Upper Darby, Pa.*  
 Dress, Mary Alice, *Lutherville, Md.*  
 Dubbs, Barry, *Allentown, Pa.*  
 DuBois, Diane, *Glen Head, N. Y.*  
 Dumont, Kent, *Newburyport, Mass.*  
 Duncan, Robert, *Springfield, Pa.*  
 Dunlap, Carol, *Cumberland, Md.*  
 Ebersole, John, *Mechanicsburg, Pa.*  
 Eckhardt, Carol, *Springfield, Va.*  
 Eckhardt, Katherine, *Hammonton, N. J.*  
 Ehrsgott, Richard, *Rockville Centre, N. Y.*  
 Eichner, Charles F., *Cumberland, Md.*  
 Eigenrauch, Robert, *Jersey City, N. J.*  
 Elting, Virginia, *Silver Spring, Md.*  
 Engle, John, *Muncy, Pa.*  
 Erickson, Karl, *Chambersburg, Pa.*  
 Erlanson, Kurt, *Rockville Centre, N. Y.*  
 Esham, Richard, *Salisbury, Md.*  
 Esher, Sherlyn, *Wildwood Crest, N. J.*  
 Evans, Duncan, *Englewood, N. J.*  
 Evans, Marjorie, *Alexandria, Va.*  
 Everett, John, *Huntingdon Valley, Pa.*  
 Ewing, John, *Glenide, Pa.*  
 Eyler, Carole, *Harrisburg, Pa.*  
 Fees, Sheldon, *Mt. Penn, Pa.*  
 Ferguson, Janice, *Philadelphia, Pa.*



- Fillmore, Jane, *Catasauqua, Pa.*  
 Fischer, Sandra, *West Islip, N. Y.*  
 Fleming, Alice, *Narberth, Pa.*  
 Foellner, Richard, *Manheim, Pa.*  
 Forrester, Philip, *Indiana, Pa.*  
 Forster, Lucy, *Stone Harbor, N. J.*  
 Foster, Brenda, *Greenport, L. I., N. Y.*  
 Fox, Lynn C., *Lewistown, Pa.*  
 Fraker, William, *White Plains, N. Y.*  
 Frank, Linda, *Penfield, N. Y.*  
 Freund, Robert, *Baltimore, Md.*  
 Frey, Lewis, *River Edge, N. J.*  
 Fuller, William, *Cherry Tree, Pa.*
- Gaeckler, David R., *Glen Rock, Pa.*  
 Garbacz, David, *Summit, N. J.*  
 Gardner, Richard, *Wellesley, Mass.*  
 Gargan, Joyce, *Harrington Park, N. J.*  
 Garten, Robert, *Harrisburg, Pa.*  
 Gast, Theodore, *Forest Hills, N. Y.*  
 Gehweiler, Luellen, *Glen Rock, N. J.*  
 George, Winifred, *Cumberland, Md.*  
 Gilbert, Bettye, *Greencastle, Pa.*  
 Giles, Margaret, *Chester, Pa.*  
 Giulino, Linda, *Paramus, N. J.*  
 Glodek, Thomas, *Camp Hill, Pa.*  
 Gluck, William, *Brooklyn, N. Y.*  
 Goldcamp, John, *Youngstown, Ohio*  
 Golden, Robert, *York, Pa.*  
 Goodrich, Barbara, *Darien, Conn.*  
 Goodrick, Tracy, *Arlington, Va.*  
 Goold, James, *Castleton-on-Hudson, N. Y.*  
 Gordon, Lawrence, *Harrisburg, Pa.*  
 Gorski, Paul, *Havertown, Pa.*  
 Gran, Karen, *Washington, D. C.*  
 Greene, Richard, *Reading, Pa.*  
 Groff, Linda, *Towson, Md.*  
 Gross, Charles, *Baltimore, Md.*  
 Guise, Owen, *Camp Hill, Pa.*  
 Gunderman, Kenneth, *Taftville, Conn.*
- Hackler, James, *Scotch Plains, N. J.*  
 Hall, Robert, *Havertown, Pa.*  
 Hallett, Linda, *Huntingdon Valley, Pa.*  
 Hamilton, David, *Fairfield, Conn.*  
 Hamilton, Mary, *Downingtown, Pa.*  
 Hamilton-Jones, Peter, *Hollis, N. Y.*  
 Hamme, Robert, *York, Pa.*  
 Hannold, Janice, *Westville, N. J.*  
 Hannum, Robert, *Irvington, N. Y.*  
 Harbeson, Joseph, *Gibbstown, N. J.*  
 Harding, William, *Norristown, Pa.*  
 Harfst, Jeffrey, *Boonton, N. J.*  
 Hatch, Joseph, *Johnstown, Pa.*  
 Hatter, Edwin, *Valley Stream, N. Y.*  
 Havens, Virginia, *Allentown, Pa.*  
 Havlick, Sally, *Wynnewood, Pa.*  
 Hayden, Mark, *Baltimore, Md.*  
 Hayes, John, *Haddonfield, N. J.*  
 Heaton, James, *Bethesda, Md.*  
 Heckman, Beverly, *York, Pa.*  
 Hegwood, Frances, *Towson, Md.*  
 Heissenbittel, Dorothy, *Greenville, Pa.*  
 Helbig, Richard, *Princeton, N. J.*  
 Henrie, Gail, *Danville, Pa.*  
 Henry, Paul E., Jr., *Red Hook, N. Y.*  
 Henson, Thomas, *Shepherdstown, W. Va.*  
 Heroy, Diane, *Metuchen, N. J.*  
 Hershey, John, *Rochester, N. Y.*  
 Hess, Katherine, *Towson, Md.*  
 Hickey, Brian, *Baltimore, Md.*  
 High, John, *Cranbury, N. J.*  
 Hill, Dorothy, *Frostburg, Md.*  
 Hilty, Caroline, *Quakertown, Pa.*  
 Hinds, Robert, *Bronxville, N. Y.*  
 Hines, Robert, *Pennville, N. J.*  
 Hinman, E. Stephen, *Spring Grove, Pa.*
- Hiscox, Margaret, *Smithtown, N. Y.*  
 Hjelmmeruik, Paul, *Baltimore, Md.*  
 Hodgson, Darlene, *West Orange, N. J.*  
 Hodgson, David, *West Orange, N. J.*  
 Hodgson, Martha, *Yarmouth, Maine*  
 Hofreiter, Judith, *Mountainside, N. J.*  
 Hoke, James, *Pottsville, Pa.*  
 Holman, Gary, *Millerstown, Pa.*  
 Hope, Donald, *Pottsville, Pa.*  
 Hopper, Gladys, *Ocean Grove, N. J.*  
 Hopple, Robert, *Norristown, Pa.*  
 Hostetter, Joseph, *Thomasville, Pa.*  
 Hottinger, Christine, *Rockaway, N. J.*  
 Houldin, James S., *Wyncote, Pa.*  
 Howard, William, *Sea Girt, N. J.*  
 Hubbard, Edward, *Perkasie, Pa.*  
 Hudson, Jerry, *Johnstown, Pa.*  
 Huestis, Frederick, *Manasquan, N. J.*  
 Hughes, Frank, *Leonia, N. J.*  
 Humphreys, Thomas, *Bronxville, N. Y.*  
 Hunt, Carl, *North Plainfield, N. J.*  
 Hunter, Anita, *Baltimore, Md.*  
 Hutchison, Philip, *Dalton, Pa.*
- Jackson, James, *Christiana, Pa.*  
 Jacobs, Brian, *Chambersburg, Pa.*  
 Jaeger, Margaret, *Livingston, N. J.*  
 John, J. Hurlow, *White Plains, N. Y.*  
 Johnson, Carole, *Glenside, Pa.*  
 Johnson, Peter, *Babylon, N. Y.*  
 Johnson, Philip, *Oreland, Pa.*  
 Jordan, Ethel, *Bergenfield, N. J.*  
 Joy, Ronald, *Short Hills, N. J.*
- Kabakjian, Lois, *Lansdowne, Pa.*  
 Kanzinger, Russell, *Bala-Cynwyd, Pa.*  
 Kappmeier, Jay, *New Shrewsbury, N. J.*  
 Karabell, Sheldon, *Philadelphia, Pa.*  
 Kargas, Nicholas, *Gettysburg, Pa.*  
 Kastberg, Arthur, *Caldwell, N. J.*  
 Kauffman, Richard, *Freeport, Pa.*  
 Kay, Joyce, *Wayne, Pa.*  
 Kays, Bradley, *Wilmington, Dela.*  
 Keating, Charles N., Jr., *Bethesda, Md.*  
 Kiick, Kirby, *Easton, Pa.*  
 Knapp, Dorothy, *Ho-Ho-Kus, N. J.*  
 Knecht, Eleanor, *Schuylkill Haven, Pa.*  
 Kneedler, Lane, *Lansdale, Pa.*  
 Koerner, Theodore, *Melrose Park, Pa.*  
 Koob, Kathleen, *Jamaica, N. Y.*  
 Koyen, Valerie, *Metuchen, N. J.*  
 Kratavil, Janet, *Palisade, N. J.*  
 Kremp, Stanley, *Chambersburg, Pa.*  
 Krewett, Katharine, *Laurel Springs, N. J.*  
 Krupa, Michael, *Beaverdale, Pa.*  
 Kunkel, Penelope, *Schuylkill Haven, Pa.*
- Lake, Boyd D., *Secane, Pa.*  
 Lane, Richard, *Avoca, Pa.*  
 Lapen, Judith, *Glendale, N. Y.*  
 Lauer, Terry, *York, Pa.*  
 Laughlin, Virginia, *Clementon, N. J.*  
 Lehr, Stanford, *York, Pa.*  
 Levering, Barbara, *Glenside, Pa.*  
 Lewis, Bruce H., *Augusta, Maine*  
 Lichtenwalner, Robert, *Macungie, Pa.*  
 Linah, Jean, *Gettysburg, Pa.*  
 Lindner, Barbara, *Erie, Pa.*  
 Lohman, Arthur, *Westport, Conn.*  
 Long, Mary Beth, *Salisbury, Md.*  
 Lowell, Marilyn, *Wood-Ridge, N. J.*
- McAnish, Garrett, *Takoma Park, Md.*  
 McCluskey, Kenneth, *Hammonton, N. J.*  
 McCoy, Stephen, *Rosemont, Pa.*  
 McHeffey, Mary, *Moscow, Pa.*  
 McKenzie, Linda, *So. Freeport, Maine*



Mack, Beverly, *Jackson Heights, N. Y.*  
 Mackey, Elizabeth, *Philadelphia, Pa.*  
 Mallory, Charles, *West Point, N. Y.*  
 Malmstrom, Ivar W., Jr., *Point Lookout, N. Y.*

Mank, Wallburga, *Long Island City, N. Y.*  
 Mann, Constance, *Philadelphia, Pa.*  
 Marguardt, Charles, *Huntingdon Valley, Pa.*  
 Marino, Michael, *Franklin Square, N. Y.*  
 Markley, George, *Harrisburg, Pa.*  
 Martin, Frank, *Chambersburg, Pa.*  
 Mass, George, *Rochester, N. Y.*  
 Mathis, Samuel, *Atlantic City, N. J.*  
 Matviak, Gregory, *Stewartville, N. J.*  
 Maust, Walter, *Hanover, Pa.*  
 Mayes, Katharyn, *Pittsburgh, Pa.*  
 Meckert, Arthur, *Katona, N. Y.*  
 Meier, Claire, *Beechhurst, N. Y.*  
 Menge, Carol, *Dolgeville, N. Y.*  
 Meyer, Philip, *Gladowne, Pa.*  
 Miller, David G., *Hellam, Pa.*  
 Miller, David R., *Salem, N. J.*  
 Miller, Evelyn, *Buffalo, N. Y.*  
 Miller, George, *Ardmore, Pa.*  
 Miller, Roland, *DuBois, Pa.*  
 Mills, Phyllis, *Silver Spring, Md.*  
 Monahan, Ralph, Jr., *Rockville, Md.*  
 Morrison, William, *Collingswood, N. J.*  
 Moulton, David, *Norristown, Pa.*  
 Munshower, Ann C., *Hamilton, N. Y.*  
 Murphy, Joseph P., *Cheshire, Conn.*  
 Murray, Peter T., Jr., *Ardmore, Pa.*

Nelson, Robert, *Tappan, N. Y.*  
 Newcomb, Holly, *New Canaan, Conn.*  
 Nikander, Peter, *Staten Island, N. Y.*  
 Noble, Caroline, *Lutherville, Md.*  
 Noyes, Andrea, *Silver Spring, Md.*  
 Nyce, Robert, *Biglerville, Pa.*

Ohl, D. Ward, *Camp Hill, Pa.*  
 Olsen, Robert L., *Oradell, N. J.*  
 O'Reilly, Thomas, *Dobbs Ferry, N. Y.*  
 Otowski, George, *Perth Amboy, N. J.*

Pappas, George, *Philadelphia, Pa.*  
 Parker, Maureen, *North Plainfield, N. J.*  
 Patterson, Charles, *Summit, N. J.*  
 Patton, Douglas, *Port Chester, N. Y.*  
 Pawelek, John, *Baltimore, Md.*  
 Pearce, Donald, *Havertown, Pa.*  
 Peck, Joel, *Wayne, Pa.*  
 Pendleton, Richard, *Philadelphia, Pa.*  
 Perkins, Vicki, *Wilmington, Dela.*  
 Phenicie, Paul, *Lewistown, Pa.*  
 Philbrook, Wayne, *Segregansett, Mass.*  
 Pipal, James, *Teaneck, N. J.*  
 Platt, Elizabeth, *Schenectady, N. Y.*  
 Pontius, Emilie, *Enola, Pa.*  
 Potts, David, *Gwynedd, Valley, Pa.*  
 Prim, Philip, *Harrisburg, Pa.*  
 Prosser, Stanley, *Gettysburg, Pa.*  
 Pugh, Ruth Ann, *Confluence, Pa.*  
 Pukanecz, Paul, *Fullerton, Pa.*

Rankin, Larry, *Belle Vernon, Pa.*  
 Rebert, Harold, *McKnightstown, Pa.*  
 Reed, Charles, *Elmira, N. Y.*  
 Reeder, Joseph, *Jenkintown, Pa.*  
 Reeder, Peter, *Emmaus, Pa.*  
 Reese, Barbara, *Phillipsburg, Pa.*  
 Reiman, James, *Brooklyn, N. Y.*  
 Reus, Anne, *Hampstead, Md.*  
 Rhoads, David, *Holidaysburg, Pa.*  
 Rhoads, Larry, *Gardners, Pa.*  
 Riccobono, James, *Mt. Tabor, N. J.*  
 Rice, Ellen, *Gettysburg, Pa.*

Richardson, William, *Marblehead, Mass.*  
 Rickrode, Donna, *New Oxford, Pa.*  
 Robertson, James, *Pittsburgh, Pa.*  
 Robertson, Jerry, *Havertown, Pa.*  
 Robison, Mary, *Harrisburg, Pa.*  
 Rogers, Mary, *Greenville, Pa.*  
 Rosenberger, John, *Wyckoff, N. J.*  
 Rossell, Jay M., *Pennsville, N. Y.*  
 Rowe, Robert, *Phoenix, Ariz.*  
 Rudolf, Elsa, *Geneva, Ill.*  
 Rudolf, Richard, *Geneva, Ill.*  
 Russell, John, *Mount Lebanon, Pa.*  
 Ryan, Robert, *Wynnewood, Pa.*

Sabo, Jack, *Phillipsburg, N. J.*  
 Sampson, Mary Lou, *Westfield, N. J.*  
 Sanborn, Alden, *Ridgewood, N. J.*  
 Sands, Bruce, *Cranford, N. J.*  
 Sayle, Dieter, *Livingston, N. J.*  
 Schaffer, Robert D., *Baltimore, Md.*  
 Schall, Sandra, *Snyder, N. Y.*  
 Schiek, Robert, *Philadelphia, Pa.*  
 Schiff, Haskell, *Brooklyn, N. Y.*  
 Schin, Stanley, *Bellerose, N. Y.*  
 Schlamp, Stuart, *New Hyde Park, N. Y.*  
 Schmitt, Timothy, *Orange, Conn.*  
 Schneider, Ellen M., *Little Falls, N. Y.*  
 Schroeder, Arthur, *Westwood, N. J.*  
 Schwartz, Charles, *Windsor, Conn.*  
 Schwemmer, Karen, *Forest Hills, N. Y.*  
 Scott, Carolyn, *Glenside, Pa.*  
 Scott, Charles, *Baltimore, Md.*  
 Scott, Patricia, *Audubon, Pa.*  
 Seibel, Carol Ann, *Oaklyn, N. J.*  
 Sellow, Ruth, *Ardmore, Pa.*  
 Sensenderfer, William, *Lancaster, Pa.*  
 Settlemyer, Frederick, *Short Hills, N. J.*  
 Shaffer, Judith, *Chappaqua, N. Y.*  
 Shaffer, Ray, *York, Pa.*  
 Shaffer, William, *Manchester, Md.*  
 Sharrah, Joseph, *Cashtown, Pa.*  
 Sheads, Harold, *Harrisburg, Pa.*  
 Sheaffer, John, *Milford, Dela.*  
 Shenk, Christopher, *Wyomissing, Pa.*  
 Sherwood, Elizabeth, *Falls Church, Va.*  
 Shockey, Anna, *Moorestown, N. J.*  
 Shreiner, Thomas, *Lancaster, Pa.*  
 Siegel, Richard, *Jersey City, N. J.*  
 Siegfried, Michael, *Springfield, Pa.*  
 Sillett, Terence, *Harrisburg, Pa.*  
 Simkin, Irving, *Baltimore, Md.*  
 Slatkin, Mark, *Brooklyn, N. Y.*  
 Smith, Barry, *West Hempstead, N. Y.*  
 Smith, Bruce, *Norristown, Pa.*  
 Smith, Gilbert, *Red Lion, Pa.*  
 Smith, Kathleen, *Dhahran, Saudi Arabia*  
 Smith, Marianne, *York, Pa.*  
 Smith, Richard C., Jr., *Lancaster, Pa.*  
 Smith, William, *Bryn Mawr, Pa.*  
 Socey, John, *Trenton, N. J.*  
 Sohl, Barbara, *Brooklyn, N. Y.*  
 Sorrentino, Ralph, *Highland Park, N. J.*  
 Spencer, Judith, *East Longmeadow, Mass.*  
 Spinelli, George, *Norristown, Pa.*  
 Stern, Alex, *Atlantic City, N. J.*  
 Stetter, George A., *Hanover, Pa.*  
 Stevens, Jack, *Cambria Heights, N. Y.*  
 Stewart, Carroll S., *Holyoke, Mass.*  
 Stewart, William, *York, Pa.*  
 Sticker, Merritt, *Elkins Park, Pa.*  
 Stinchcomb, Carol, *Baltimore, Md.*  
 Stoehrle, Susan, *Scotch Plains, N. J.*  
 Stringer, Raymond E., III, *Mine Hill, N. J.*  
 Strunk, Richard, *Baldwin, N. Y.*  
 Stuckel, Bruce, *Silver Spring, Md.*  
 Stull, Richard, *Glenside, Pa.*  
 Sturges, Scott, *Youngstown, N. Y.*

Sultbaugh, Dale, *Elizabethville, Pa.*  
 Sumas, Robert, *South Orange, N. J.*  
 Sutcliffe, Bruce, *Wayne, N. J.*  
 Suttles, Constance, *Harrisburg, Pa.*

Taylor, Doris M., *Baltimore, Md.*  
 Taylor, Nancy, *Pittsburgh, Pa.*  
 Taylor, Robert, *Pittsburgh, Pa.*  
 Taylor, William, *Fairfield, Conn.*  
 Telkins, Robert, *Abington, Pa.*  
 Tew, James, *Silver Spring, Md.*  
 Thatcher, Barbara, *Madison, N. J.*  
 Thomas, Joanne, *Baltimore, Md.*  
 Thompson, Allen, *Mullica Hill, N. J.*  
 Thompson, Gary, *Amenia, N. Y.*  
 Tippet, Bruce, *Needham, Mass.*  
 Trafton, Tamsie, *Westport, Conn.*  
 Trakat, Williams, *Lansdale, Pa.*  
 Trexler, Earl, *Macungie, Pa.*  
 Trimmer, John, *Chambersburg, Pa.*  
 Truax, Douglas, *Berwick, Pa.*  
 Truex, Raymond, *Narberth, Pa.*

Upham, Everett, *Needham, Mass.*

Valentine, Harry, *Moylan, Pa.*  
 Vallery, Virginia, *Lyndhurst, N. J.*  
 Van Name, Peter, *Orange, Conn.*  
 Venghaus, David, *Annapolis, Md.*  
 Vial, Charles, *Gettysburg, Pa.*  
 Vild, Valerie, *Fords, N. J.*  
 Vinson, James, *Chambersburg, Pa.*  
 Volk, Margaret M., *Philadelphia, Pa.*

Wachhaus, Theodore, *Harrisburg, Pa.*  
 Wagner, Bruce, *Pottstown, Pa.*  
 Wagner, Wayne, *Balwin, N. Y.*

Walborn, John, *Wyomissing, Pa.*  
 Walley, Dorice, *Farmingdale, N. Y.*  
 Wassmer, Grace, *Bethesda, Md.*  
 Waters, Joan, *Bethesda, Md.*  
 Watson, Robert, *Pennington, N. J.*  
 Wattis, Arlene, *Jenkintown, Pa.*  
 Weagley, William, *Waynesboro, Pa.*  
 Weaver, Linda, *Tower City, Pa.*  
 Weber, Walter, *Englishtown, N. J.*  
 Wellman, William, *West Caldwell, N. J.*  
 Wenger, Thomas, *Quentin, Pa.*  
 Wenrich, Patricia, *Reading, Pa.*  
 Wetherhold, Richard, *Roslyn, Pa.*  
 Whetstone, Stephen, *Bloomfield, N. J.*  
 Whisler, Harold, *Gettysburg, Pa.*  
 Wilbraham, Howard, *Pennsville, N. J.*  
 Williams, Joseph, *Bethesda, Md.*  
 Willy, Ivy, *Broomall, Pa.*  
 Wilson, Barry, *Camp Hill, Pa.*  
 Winch, Anthony, *Stewart Manor, N. Y.*  
 Winkler, Joseph, *Garden City, N. Y.*  
 Winn, Karen L., *Port Washington, N. Y.*  
 Winter, Marilyn, *Pearl River, N. Y.*  
 Wix, Richard H., *Harrisburg, Pa.*  
 Woods, Doris, *Rockville Centre, N. Y.*  
 Wright, Fred, *Drexell Hill, Pa.*  
 Wright, Peter, *Merion Station, Pa.*  
 Wyeth, Richard, *Allison Park, Pa.*  
 Wyn Koop, Gary, *Villanova, Pa.*

Yates, George, *Vineyard Haven, Mass.*  
 Yoh, Charles, *Chambersburg, Pa.*  
 Yoo, Patricia, *Gettysburg, Pa.*  
 Young, Frank, *Honolulu, Hawaii*  
 Young, Martin, *Maywood, N. J.*

Zajac, Wayne, *Baltimore, Md.*

## Students Attending the 1959 Summer Session

Achenbach, Elizabeth H., *Lockhaven, Pa.*  
 Africa, Sally, *Huntingdon, Pa.*  
 Agabeg, M. Elmo, *Tehran, Iran*  
 Albrecht, Karl, *Finksburg, Md.*  
 Aldridge, Raymond D., *Abbottstown, Pa.*  
 Alling, Roger S., *Clayton, N. J.*  
 Anderson, Eric C., Jr., *Villanova, Pa.*

Bachschmid, Edward K., Jr., *Chevy Chase, Md.*

Bailey, Joseph J., *Oreland, Pa.*  
 Baker, Robert L., *Hanover, Pa.*  
 Barnes, Thomas J., *Staten Island, N. Y.*  
 Barnhart, Winifred, *Greencastle, Pa.*  
 Baureth, Alan R., *Philadelphia, Pa.*  
 Beechiner, Robert M., *Gettysburg, Pa.*  
 Bennetch, Bradley M., *Bethlehem, Pa.*  
 Berklite, Ronald B., *Waynesboro, Pa.*  
 Billman, George T., *Louisville, Pa.*  
 Bitner, W. Craig, *Shiremanstown, Pa.*  
 Bitner, William E., III, *Shiremanstown, Pa.*  
 Bock, Joseph R., *Blue Ridge Summit, Pa.*  
 Booth, David E., *Silver Spring, Md.*  
 Bosco, Vincent S., *Monessen, Pa.*  
 Bowersox, Paul E., *Westminster, Md.*  
 Brown, William M., *Lansdowne, Pa.*  
 Buchheit, Russell J., *Tenafly, N. J.*  
 Bullock, Robert A., *Dennistown, N. J.*  
 Bushey, Patricia, *Gettysburg, Pa.*

Caban, Louis H., *Philadelphia, Pa.*  
 Calcagni, Gino R., *Allentown, Pa.*  
 Calvery, George H., *Mercersburg, Pa.*  
 Cance, Penelope, *W. Palm Beach, Fla.*  
 Chamberlain, Donald J., *Gettysburg, Pa.*

Chilingarian, Ronald, *Oradell, N. J.*  
 Chin, Beyoung-woong, *Seoul, Korea*  
 Coble, Garnet N., Jr., *Aspers, Pa.*  
 Cogswell, Corbin C., *Pikesville, Md.*  
 Cole, Kenneth J., *Gettysburg, Pa.*  
 Cohn, Edward, *Hanover, Pa.*  
 Comas, James, *Teaneck, N. J.*  
 Conway, Catherine, *Shamokin, Pa.*  
 Copeland, James E., Jr., *Ft. Lauderdale, Fla.*  
 Cranmer, Raymond S., *York, Pa.*  
 Crosson, Charles, *Unionville, Pa.*  
 Crowl, Lewis A., *Gettysburg, Pa.*  
 Crum, Thomas J., *Riderwood, Md.*  
 Curd, Frederick, *Mont Alto, Pa.*  
 Czarniecki, Gerald M., *New Hope, Pa.*

Danton, Peter A., *Washington, D. C.*  
 Davis, Marian E., *Gettysburg, Pa.*  
 Delaney, Fred L., *Waynesboro, Pa.*  
 Deutsch, Gabriel, *Gettysburg, Pa.*  
 Downs, David S., *Newtown, Pa.*  
 Dubbs, Barry, *Allentown, Pa.*

Elliott, Edwin P., *Gettysburg, Pa.*  
 Enterline, William W., *Ashland, Pa.*  
 Epler, John L., *Northumberland, Pa.*  
 Eveler, Robert, *Windsor, Pa.*

Feigel, Barbara A., *Philadelphia, Pa.*  
 Ferster, Marjorie E., *Hanover, Pa.*  
 Fink, Richard N., *Biglerville, Pa.*  
 Fleming, Roger E., *Ardmore, Pa.*  
 Flickinger, Frederick W., *York Springs, Pa.*  
 Fought, Daniel C., *Hughesville, Pa.*  
 Franz, David R., *Philadelphia, Pa.*

Frey, Rita M., *Hanover, Pa.*  
 Frontz, Maurice C., Jr., *Lancaster, Pa.*

Gabler, Ray C., *Chambersburg, Pa.*  
 Gentzler, Lenora, *York, Pa.*  
 Gifford, Donald H., *York, Pa.*  
 Glose, Barbara A., *Annapolis, Md.*  
 Goldner, Richard J., *Newark, N. J.*  
 Gross, Charles E., *Baltimore, Md.*  
 Guise, John A., Jr., *Gettysburg, Pa.*  
 Guise, Ralph F., *Gettysburg, Pa.*  
 Gummel, Charles, *Hanover, Pa.*

Hackenberg, Edwin M., *Westfield, N. J.*  
 Haltom, Martha, *Martinsburg, W. Va.*  
 Hamm, Sandra E., *Hanover, Pa.*  
 Harter, Charles M., *Berwick, Pa.*  
 Hathaway, Jack, *Lynnfield, Mass.*  
 Hawthorne, Donald, *Pottstown, Pa.*  
 Hays, Sarah B., *Emmitsburg, Md.*  
 Hazen, Joseph, *Gettysburg, Pa.*  
 Heberly, Thomas, III, *York, Pa.*  
 Hebrank, Jay, *Demarest, N. J.*  
 Heckman, Florence, *Kutztown, Pa.*  
 Heinbaugh, Lynn A., *Mercersburg, Pa.*  
 Henricks, Walter M., *Pottstown, Pa.*  
 Henry, John R., *Spring Grove, Pa.*  
 Herb, William S., *Somerset, Pa.*  
 Hertzler, Kenneth W., *Bristol, Pa.*  
 Hey, Donald B., *Butler, N. J.*  
 Hinman, E. Stephen, *Spring Grove, Pa.*  
 Hollinger, Lisbeth A., *Hanover, Pa.*  
 Hudson, Daniel H., *Mars, Pa.*  
 Hyland, Thomas, *Lancaster, Pa.*

Ilgel, Harvey W., *Mifflinburg, Pa.*

Jackson, Roger, *Baltimore, Md.*  
 Jacobs, Charles S., *Glenside, Pa.*  
 Jacoby, Stephen N., *Margate City, N. J.*  
 Jendrek, John P., *Baltimore, Md.*  
 John, John H., *White Plains, N. Y.*  
 Johnson, Richard H., *Chambersburg, Pa.*  
 Johnson, Rolf C., *Gettysburg, Pa.*  
 Joseph, Mary M., *Hicksville, N. Y.*

Kear, Norman R., *Forest Hills, N. Y.*  
 Keesler, Eugene B., *Indian Lakes, Fla.*  
 Keim, Alan R., *Ho-Ho-Kus, N. J.*  
 Kelly, Gloria R., *Singing Spring, Pa.*  
 Kerchner, Lloyd D., *Hanover, Pa.*  
 Keyes, Charles R., Jr., *Linthicum, Md.*  
 King, Helen B., *Gettysburg, Pa.*  
 King, Paul F., *Wayne, Pa.*  
 King, Rita, *Gettysburg, Pa.*  
 Kiser, Joseph W., *Johnstown, Pa.*  
 Kociatyn, Joyce E. S., *York, Pa.*  
 Kehl, Gordon L., *Camp Hill, Pa.*  
 Kohlhepp, Virgil, *Gettysburg, Pa.*  
 Kornmann, Richard L., *Lewistown, Pa.*  
 Kumer, Gayle A., *Harrisburg, Pa.*

Lady, Charles S., *Hanover, Pa.*  
 Lambertson, Benjamin, *Washington, D. C.*  
 Lambertson, Helen, *Washington, D. C.*  
 Lange, Carol L., *Wilmington, Dela.*  
 Langerhans, Ilse, *Gettysburg, Pa.*  
 Larkin, John L., *Seaside Park, N. J.*  
 Lashar, David, *York, Pa.*  
 Lighter, Molly E., *Gettysburg, Pa.*  
 Lindewurth, Karen, *Gettysburg, Pa.*  
 Leary, Mrs. Anna P., *Emmitsburg, Md.*  
 Lightner, Charles H., *Gettysburg, Pa.*  
 Lindeman, Anne E., *Waynesboro, Pa.*  
 Liperote, George A., *Gettysburg, Pa.*  
 Little, Earl M., *Gettysburg, Pa.*  
 Lloyd, Peter F., *Lansdowne, Pa.*

Lowe, Joseph T., Jr., *Fairfield, Pa.*  
 Lower, Charles E., *Lancaster, Pa.*  
 Luckenbill, Curtis E., *Kutztown, Pa.*

McCutcheon, Lawrence C., Jr., *Chevy Chase, Md.*  
 McLaughlin, William J., *Quakertown, Pa.*  
 MacNett, Richard L., *E. Orange, N. J.*  
 Maisel, Norman D., *Harrisburg, Pa.*  
 Markley, Thomas, *Gettysburg, Pa.*  
 Markle, Nevin, *Hanover, Pa.*  
 Matteiss, David C., *Ellicott City, Md.*  
 Mears, Beverly A., *Silver Spring, Md.*  
 Melech, Robert C., *Rochester, N. Y.*  
 Mick, John F., *Emmitsburg, Md.*  
 Miller, Darlene A., *Easton, Pa.*  
 Miller, David, *Carlisle, Pa.*  
 Miller, Doris, *Hagerstown, Md.*  
 Miller, Jack E., *Bainbridge, Pa.*  
 Miller, Mark J., *Gettysburg, Pa.*  
 Mitchell, Bruce E., *Washington, D. C.*  
 Monaghan, Edward, *Uniontown, Pa.*  
 Monahan, Ralph T., *Rockville, Md.*  
 Montgomery, John F., *New Rochelle, N. Y.*  
 Mort, Donald W., *Waynesboro, Pa.*  
 Motta, Ernest T., *Panama, R. P.*  
 Moul, Mary L., *Hampton, Pa.*  
 Musser, Audrey, *Mount Joy, Pa.*  
 Myers, Martin L., *Mechanicsburg, Pa.*

Nassehi, Fraideun, *Tehran, Iran*  
 Newmark, Warren, *Lansdowne, Pa.*  
 Nitzsche, Ronald E., *Trenton, N. J.*  
 Nolan, Jeremiah D., *Oreland, Pa.*  
 Noerr, Constance E., *Lewistown, Pa.*  
 Norris, Robert L., *Mechanicsburg, Pa.*

O'Malley, Thomas W., *Pittsburgh, Pa.*

Parker, Sidney N., *Hasbrouck Heights, N. J.*  
 Parry, Robert T., *Harrisburg, Pa.*  
 Fazre, Frederic J., *Jersey City, N. J.*  
 Payne, Herbert M., *Ellicott City, Md.*  
 Pease, Richard V., *Harrisburg, Pa.*  
 Peck, Joel N., *Wayne, Pa.*  
 Pelton, Kenneth R., *Westfield, N. J.*  
 Pelton, Suzanne C., *State College, Pa.*  
 Pennington, Peter S., *Gettysburg, Pa.*  
 Perissi, Linda A., *Valley Stream, N. Y.*  
 Peyser, Charles S., *Hanover, Pa.*  
 Pedersen, Jeanne, *Fords, N. J.*  
 Powell, Eugene A., *Lemoyne, Pa.*  
 Prause, Ingeberg W., *York, Pa.*

Rauch, Kenneth, *White House Station, N. J.*  
 Redding, Norton L., *Gettysburg, Pa.*  
 Reeder, R. J., *McConnellsburg, Pa.*  
 Reich, Ira M., *Hillside, N. J.*  
 Reily, George W., *Linglestown, Pa.*  
 Reiner, Rodger L., *Freeport, N. Y.*  
 Rickrode, Donna, *New Oxford, Pa.*  
 Ritter, Mary Louise, *Littlestown, Pa.*  
 Rohrbaugh, Nova, *Spring Grove, Pa.*  
 Rosvold, Hans F., *Brooklyn, N. Y.*  
 Royer, Rebecca L., *Thurmont, Md.*  
 Ruhl, Charles E., *Lancaster County, Pa.*  
 Russo, Virginia M., *Trenton, N. J.*  
 Ruth, Elwood E., *Bermville, Pa.*

Sale, Douglas W., *Thurmont, Md.*  
 Scheck, Nancy M., *New Rochelle, N. Y.*  
 Schneider, Edmund M., *Clifton, N. J.*  
 Schomp, Royal C., *Fairfield, Conn.*  
 Schwartz, D. S., *Baltimore, Md.*  
 Scott, Philip E., *Gettysburg, Pa.*  
 Seeley, Douglas C., *Kensington, Md.*  
 Seelig, John Charles, *Jackson Heights, N. Y.*  
 Severe, Carol K., *Cranford, N. J.*



Shaffer, Lisa W., *Hartford, Conn.*  
 Shallock, Paul, *Fords, N. J.*  
 Sheaffer, John B., *Milford, Dela.*  
 Shelly, Elizabeth J., *Harrisburg, Pa.*  
 Shepard, Jean E., *Windsor, Conn.*  
 Shryock, Robert E., *Waynesboro, Pa.*  
 Smith, Bruce L., *Richland, Pa.*  
 Smith, Mitzi C., *Mont Alto, Pa.*  
 Smith, Richard C., *Hawthorne, N. J.*  
 Smith, Robert G., *Littlestown, Pa.*  
 Smith, Welda, *Gettysburg, Pa.*  
 Smith, William D. C., *Bryn Mawr, Pa.*  
 Snowman, Paul A., III, *Ann Arbor, Mich.*  
 Snyder, Charles E., Jr., *Pittsburgh, Pa.*  
 Snyder, Sara Ellen, *Gettysburg, Pa.*  
 Spier, Shirley H., *Gettysburg, Pa.*  
 Sponseller, Darlene, *Gettysburg, Pa.*  
 Staub, Helen B., *Gettysburg, Pa.*  
 Steiner, Robert G., *Waynesboro, Pa.*  
 Steinmann, Christian W., *Woodcliff Lake, N. J.*  
 Stock, Richard J., *Hanover, Pa.*  
 Stokes, Ronald M., *Gettysburg, Pa.*  
 Stoner, Jean E., *Gettysburg, Pa.*  
 Strawn, Roscoe L., *Mt. Carmel, Pa.*  
 Stringer, Raymond E., *Dover, N. J.*  
 Sullivan, Peggy A., *Hanover, Pa.*  
 Sweet, George Wm., II, *Moylan, Pa.*  
 Strausbaugh, Esther R., *Hanover, Pa.*

Thornton, Bruce E., *Wynnewood, Pa.*  
 Tillotson, Stephen E., *Silver Spring, Md.*  
 Tingle, Norris, *Baltimore, Md.*

Urban, George A., *Collingswood, N. J.*

Vitko, Donald R., *Stratford, Conn.*  
 Von Czoernig, Carl E., Jr., *Chester Springs, Pa.*

Walker, Frederick B., *Ridgewood, N. J.*  
 Walker, James A., *Gettysburg, Pa.*  
 Walters, Richard R., *Ocean City, N. J.*  
 Warner, John L., *York, Pa.*  
 Warner, Ronald L., *York, Pa.*  
 Warren, Galen B., *Orrstown, Pa.*  
 Warrenfeltz, Donald R., Jr., *Hagerstown, Md.*

Wenger, Elizabeth M., *Elizabethtown, Pa.*  
 Westenberger, David R., *Alexandria, Va.*  
 Westenberger, James E., *Alexandria, Va.*  
 Westine, Peter, *Taneytown, Md.*  
 White, Peter Boyd, *Camp Hill, Pa.*  
 Whitley, Alton D., *Dhahran, Saudi Arabia*  
 Whitmer, Edwin W., Jr., *Essex Falls, N. J.*  
 Wiegmann, Joan A., *Meadowbrook, Pa.*  
 Williams, Harry C., Jr., *Norristown, Pa.*  
 Wilson, Donald M., *Morristown, N. J.*  
 Wilson, John H., III, *West Orange, N. J.*  
 Wolf, William, *Philadelphia, Pa.*  
 Wolfinger, Susan Anne, *Waynesboro, Pa.*  
 Wood, Ralph, *Media, Pa.*  
 Wood, Wrely C. A., *Germantown, Md.*  
 Wright, Richard A., *Manchester, Conn.*  
 Wyker, Donald C., *Newton, N. J.*

Yohn, Alice S., *Littlestown, Pa.*

Zagars, Gunars V., *Gettysburg, Pa.*  
 Zepp, Glenn, *Gettysburg, Pa.*

## Special Students

### 1959-1960

Thelma R. Alwine  
 Theron J. Basehoar  
 Myrtle E. Baumgardner  
 Daniel R. Beirne  
 Barclay A. Boyd  
 Carol B. Bream  
 Jean S. Bugbee  
 Golda H. Collins  
 Clyde W. Crouse  
 Khlar J. Daye  
 Claude C. Dodson, Jr.  
 Jane C. Donley  
 William W. Enterline  
 Albert C. Eyde  
 Fern A. Goss  
 Alfred K. Gotwalt  
 Ronald R. Hann  
 Fred W. Hess  
 Elizabeth Johnson  
 Helen King

Ilse Langerhans  
 Ann H. Lau  
 Barbara T. Lawyer  
 Karen Linderwurth  
 Joan D. Miller  
 Merle Milhimes  
 J. Harold Mowen  
 Robert Joseph Nelson  
 Nancy J. Reinert  
 Charlotte L. Rogers  
 Nova Rohrbaugh  
 Marleen Ann Roper  
 Ruth W. Ruby  
 Elise K. Scharf  
 Margaret Smith  
 Shirley Speir  
 Louis P. Wahl, Jr.  
 S. Jean Wells  
 Helen Williams  
 Alice S. Yohn

## Summary

### Students in College First Semester 1959-60

	MEN	WOMEN	TOTAL
Senior .....	248	74	322
Junior .....	254	110	364
Sophomore .....	239	168	407
Freshmen .....	322	175	497
Special .....	14	26	40
	1,077	553	1,630



## Geographical Distribution

1959-60

STATE	STUDENTS
Pennsylvania .....	831
New Jersey .....	305
New York .....	207
Maryland .....	144
Connecticut .....	28
Virginia .....	28
Massachusetts .....	17
Washington, D. C. ....	11
Delaware .....	9
West Virginia .....	6
Ohio .....	7
Other States .....	36

# Commencement 1959

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June 7

*Commencement Speaker*

The Hon. Arthur Sherwood Flemming

## Bachelor of Arts

### *Summa Cum Laude*

Sandra Marie Amundsen ✓  
Ronald Larry Paul  
John Joseph Wenzke

### *Magna Cum Laude*

Helen Louise Berkey  
C. Lynne Bonney  
Frederick Arthur Foltz  
\*Fred McCleaf Herring  
Jack Arthur Kline  
Elizabeth Jane Miller  
Robert Michael Philson  
Sara Jane Schneider  
Mary Margaret Schrack  
Robert Leonard Schumann  
J. Arthur Seebach, Jr.  
Dianne Sheffer  
Beverly Joy Vaniel  
Robert Bruce Wolf

### *Cum Laude*

Shirley Alice Burkert  
Patricia Ann Day  
Norman Lee Gindlesperger  
Margaret Kilpatrick  
Janet Eileen Leight  
Paul Charles Rodenhauser

### *Rite*

\*John Matthew Abernathy, Jr.  
Charles Boughton Acker  
Warren Berger Adams  
William Fooks Adams  
Gene McCrae Albright  
Judith Roe Albright  
\*Robert Clair Aldridge  
Eugene Raynard Alexander  
Jeannette Louise Anderson  
Edward Matthew Andrews, Jr.  
Mary Higgins Axe  
\*William Mason Bailey  
C. Rush Barr, III  
Edward Wayne Baumgardner  
Howard Taylor Beagle  
Benjamin Cyrinius Beal, Jr.  
\*Willard Henry Beale  
\*Arthur Heaton Beck, Jr.  
Charles A. Beck, Jr.

George Ross Bender  
Ronald Betts Berklite  
William Early Bitner, III  
\*Howard Edward Body  
Carl Clayton Bohner  
Joseph Collier Bolton, Jr.  
Barbara Ann Borke ✓  
\*Earl Linwood Bower  
Suzanne Carol Bower ✓  
\*Donald Arthur Boyer  
William Hoover Brandt  
Peggy Jo Bream  
Lois Alma Brobst  
George Hottenstein Brooks  
\*Karl Richard Brunner, II  
Benjamin Clyde Buckley, Jr.  
George Oliver Butz  
Richard Ray Butz  
Jean Helen Charuhas  
John Henry Clark, II  
Errol MacGregor Claus  
Ruth Ann Clegg  
John Robert Cochran  
Christine Ann Good Coffman  
William Francis Cole, Jr.  
William Joseph Condor  
William Patrick Conway  
Henry Francis Coyne  
Diane Louise Crain  
\*Allen Silver Cuthbert, Jr.  
Anthony N. Damian  
Philip Morton Damon  
Robert Milton Deiley  
David Racey Denman  
James Dethlefsen  
C. Dale Detweiler  
\*Robert Vought Dieck  
William Shipman Diehl  
John Richard Dill  
Edward Ellis Donnalld  
John Wilfred Doub, Jr.  
Mary Ann Dresher  
Florence Ann Duckworth  
George Daniel Dulebohn  
Alan Cole Duncan  
Guy Shannon Edmiston, Jr.  
Donald Charles Emich  
Carl Maxwell Emigh  
Barbara Jane Ensor  
\*Barry Larsen Evans

\*Completed requirements January 29, 1959

\*Completed requirements August 29, 1958

- Robert Glenn Eveler  
 Albert Charles Eyde  
 George Edward Farley, Jr.  
 George Edward Ferrey, Jr.  
 ••Michael Edward Finck  
 William Pearson Fischer  
 James Fredericks Flood  
 Jean M. Foellner  
 ••Ronald Worth Ford  
 William John Frazee  
 Michael Frank Garman  
 John Linwood Geiser  
 Nancy Jean Gilroy  
 Nicholas Anthony Giorgio, Jr.  
 Marilyn Ruth Gnant  
 James Frederick Grathwohl  
 Frank Edward Grzelecki  
 David Herr Gundrum  
 Donald Paul Gutekunst  
 ••Robert James Hafey  
 Anthony Jerome Hall  
 ••Rosanna Lee Hallman  
 Bruce Edgar Hamilton  
 Reynold Allen Handwerk  
 Arthur Garfield Hannel, III  
 ••Robert Clifford Harris  
 John Wilbur Hattery  
 Sarah Barbara Hays  
 Cynthia Black Hazen  
 John Timothy Henry  
 Edwin William Heuser  
 Richard Todd Hise  
 John Lester Hock, Jr.  
 Walter Mathias Hoff  
 McPherson Glass Hoffman  
 Martin Mathais Hoffner  
 Nancy Elizabeth Hood  
 Lillian Carol Hoy  
 Lee Patrick Irvin  
 William Lowell Jacques  
 Elizabeth Ann Johnson  
 Laurence Norman Johnson  
 David Joseph Jones, Jr.  
 Jack Donald Katinsky  
 Frederick Earl Kauffman, Jr.  
 George Deatrick Kegerreis  
 John Carter Kellow, IV  
 ••Ronald Robbins Kick  
 Walter William King, Jr.  
 George Reaser Kinney  
 John Michael Kitzmiller  
 ••Betty Louise Koehler  
 Nicholas Allison Kolb  
 Alan Charles Kolz  
 Peter Samuel Komroff  
 Joseph Ransome Koon, Jr.  
 Jon Andrew Kosty  
 Constantine Peter Koulouris  
 Kenneth Barnard Krall  
 Virginia Arlene Kressman  
 ••George Francis Kroclicik  
 George Barry Krone  
 Anita Helen Landgren  
 Bernard Lee Langeluttig  
 William Warren Langhans  
 Geoffrey Hardinge Langsam  
 Donald Eugene Lawver  
 Andrew VanNatta Leh  
 John David Leidich  
 ••Richard Arthur Leight  
 George Laurence Liedel  
 John William Limpert, Jr.  
 Delores Jean Little  
 George Robert Little  
 Dorothy Joan Lloyd  
 Nancy Logan  
 Lucille Ann Lohmeier  
 ••Doris Lohne  
 Gerald Robert Long  
 Reinhard Charles Ludin  
 Harold Thomas McElroy, Jr.  
 David Blaine McGrail  
 Thomas Paul MacDougall  
 Zoe Raynore Machamer  
 Wilbur Neff MacIvor, Jr.  
 David Allen Mackley  
 John Lee Magor  
 Morton Harris Mailman  
 ••Robert Hyle Mann, Jr.  
 Kenneth Dewayne Manning  
 Everett Franklin May, Jr.  
 Walter Melnik, Jr.  
 Donald Wilson Merryman  
 Kae Louise Meyer  
 Donald Vaughn Mickouls  
 Donald William Miller  
 ••Edmund McCormick Miller  
 Marjorie Mills  
 ••John Edward Mitchell  
 John Foster Moore  
 John Newlin Moore, Jr.  
 Lois Marie Murphy  
 Marylou Murphy  
 James Warner Murray  
 George David Myers  
 William Warfield Myers  
 Paul William Naper  
 Thomas A. Nell  
 Terry Lee Newman  
 John Paul Noble  
 Charles Roberts Oblinger, Jr.  
 Arloe Richard Olsen, Jr.  
 Philip Edward Paules  
 Milton Benson Paul  
 ••Jonathan Bosworth Peck  
 ••Clement Charles Peiren  
 Robert Tivy Philidius, Jr.  
 Walter Ernest Plank  
 Lester Albert Potteiger  
 ••George D. Potter  
 Warren Jackson Poysher, Jr.  
 Robert Mintie Pratt  
 ••Richard Caldwell Purdy  
 Matthew Adam Pushkar  
 ••Kathryn Ione Putman  
 Ronnie Ruth Ramsdell  
 Carol Ruth Reed  
 David Lee Reeser  
 Ira Merrill Reich  
 Donald Lee Reihart  
 Gretchen Rentschler  
 Jerry Lee Rhoads  
 Noel Judd Richards  
 Heather Sally Richmond  
 Edwin Stanley Rittenhouse  
 Keith Arnold Roberts  
 ••Richard Eugene Rowan  
 Richard Schlegel Royer  
 ••Elizabeth Huston Ryder  
 ••Jacob Sidney Sage  
 Robert William Sanderson  
 John Wesley Sankey, Jr.  
 James Bickett Saul, III  
 Thomas Roy Schaeffer  
 Marilyn Mae Schalick  
 David Schatanoff

•Completed requirements January 29, 1959

••Completed requirements August 29, 1958

- Nancy Mae Scheck
- Carl Marx Schoenborn
- Edwin James Schoettle, III
- \*Hugo William Schroeder, Jr.
- Philip Hay Schulz
- Ronald Stuart Scott
- Duane Lee Searles
- Gary Lee Seufert
- David Francis Severe
- John Shallock
- Ralph William Sheaffer
- David George Shelly
- \*James LaRue Shipman
- Sally Ann Shirk
- Floyd Kenneth Shockley
- Richard Montgomery Simpson
- Thomas Alexander Sinclair
- Elsa Sylvia Skare
- \*James Travis Skelton
- David Brian Slaybaugh
- Harry Benjamin Smith
- Ronald Wadeson Smith
- John Smoot
- \*Francis Albert Smulders
- Alvie Glenn Spencer, Jr.
- Beatrice Lillian Spofford
- Frank Stadler, III
- Paul John Stahl, Jr.
- Phyllis Wagner Stahl
- Charles H. Stein
- Susan Steinbaugh
- William Frank Steirer, Jr.
- Richard Heath Stevenson
- Preston Stratton, III
- Joseph Richard Stravolo
- \*Charles Sansome Strickler, Jr.

- Stacey Louise Sturm ✓
- William Robert Swisher, Jr.
- Robert Dewitt Taggart
- Kathryn Elizabeth Talbott ✓
- \*Thomas Edward Theall
- \*Allen Kenneth Tomlinson
- Paula Anne Tortora
- George Francis Tracy, Jr.
- John A. Trimmell
- Milton William Umbenhouer
- \*Kenneth Lee Unger
- \*Albert VanDeGriek, Jr.
- \*Carl Rudolph VanLowe
- Henry Porter vanOrmer, Jr.
- Ronald Anthony Venturini
- Nancy Elizabeth Wagner
- Richard Kent Wagner
- Dietrich Frederic Wahlers, Jr.
- David Charles Walker
- Samuel Walker, Jr.
- Norman Allison Wampler
- Richard Dillwyn Wattis
- Donald George Wetzel
- Norman Francis Wheeler, Jr.
- Barry Lee Whitsel
- \*Howard Albert Wille, Jr.
- Paul Earl Williams
- \*Robert Charles Willis
- \*John Leo Wilmot, Jr.
- Charles David Wingfield
- Harriet Elaine Wolfe
- David Alan Woodward
- \*Merrill Austin Yohe, Jr.
- \*Frank Roger Young
- Carol Henry Youse
- Jo-Ann Zentmyer

## Bachelor of Science in Music Education

### Rite

Signe Louise Wagnild

Nelson Edward Zapf

## Bachelor of Science in Physical Education

### Rite

- Vincent Paul Annichiarico
- \*Robert Barkley
- Thomas William Baumgardner
- Harry Harold Binger
- Barclay Alan Boyd
- \*Donald Alfred Brandt
- \*Carol Burchfield Bream
- Dawn Elizabeth Burg
- William Van Looy Fassbender
- George Henry Greiner, Jr.
- \*David John Graybill

- \*John Maneval Kratzert
- John Francis Maloney
- Paul James Nonas
- Donald Hill Odell
- David L. Salberg
- Richard Henry Smith
- Robert deRoos Smith
- \*John Thomas Toggas
- William Henry Walters, III
- Francis Delano Warfel

## Valedictorian

John Joseph Wenzke

\*Completed requirements January 29, 1959

\*\*Completed requirements August 29, 1958



## Salutatorian

Ronald Larry Paul

### HIGHEST CLASS HONORS

#### Senior

Ronald Larry Paul

### CLASS HONORS

#### Senior

Sandra Marie Amundsen  
Howard Taylor Beagle  
Helen Louise Berkey  
C. Lynne Bonney  
Barbara Ann Borke  
Jean Helen Charuhas  
Frederick Arthur Foltz  
Nancy Elizabeth Hood  
Jack Arthur Kline  
Nancy Logan  
Kae Louise Meyer  
Elizabeth Jane Miller  
Robert Michael Philson  
Paul Charles Rodenhauser, Jr.  
Sara Jane Schneider  
Mary Margaret Schrack  
Robert Leonard Schumann  
J. Arthur Seebach, Jr.  
Beverly Joy Vaniel  
John Joseph Wenzke  
Robert Bruce Wolf

1958-1959

### HIGHEST CLASS HONORS

#### Junior

Julia Behrens Gatter  
Barbara Lee Moore  
Ludwig Frederick Schlecht

### CLASS HONORS

#### Junior

Diane Elizabeth Brehl  
James Harvey Brenneman  
Donna Jean Brogan  
Alan Lester Buechler  
Richard John Davidyock  
Virginia Blanche Dorn  
Mary Anne Heckler  
Florence Elizabeth Heckman  
Barbara Ann Hrbek  
Caleb Rodney Layton, Jr.  
Joel Mercer McKean  
Robert John Menges  
John Franklin Miller, III  
Edward Leo Palmer  
Howard Nevin Peters  
Sue Ann Ruby  
John Christian Scheffey  
Louise Caroline Schilpp  
Paul Edward Spring, Jr.  
Helen Rimmel Barley Staub  
Theodora P. Tichy  
Gerald William Vickery, Jr.  
Janet Lucille Weitcomb  
William Henry Wertman

### HIGHEST CLASS HONORS

#### Sophomore

Melvin Robert Dilts  
Emily Ann Payne  
Linda Ann Perissi

### CLASS HONORS

#### Sophomore

Leonard Bennett Alenick  
John Vincent Foltz, Jr.  
Bruce Kieffe Horne  
Marlene Beatrice Hyson  
Gary Graham Jackson  
Ruth Kilpatrick  
Doris Jean Kurzenknabe  
Jose Mari Lacambra  
Carol Ann Lunn  
Johanna Mary Menge  
Joan Ellen Myers  
Robert Trout Parry  
Raymond Henry Phyles  
Malcolm Isaac Raff  
Maty Bent Schofield  
Jon Parker Wagnild  
James Arthur Yingling

### CLASS HONORS

#### Freshman

Clyde Oliver Black, II  
Jean Annette Gaumnitz  
Elizabeth Ellen Graves  
Judith Mary Hamilton  
Lois Eileen Inman  
Horst Sylvester  
Elizabeth Jane Taylor  
Joyce Elaine Wolford

### DEPARTMENTAL HIGHEST HONORS

#### In Biology

Sandra Marie Amundsen

#### In Business Administration and Economics

Beverly Joy Vaniel

#### In Chemistry

Jack Arthur Kline

#### In English

Dianne Sheffer

#### In Greek

J. Arthur Seebach, Jr.

#### In Philosophy

John Joseph Wenzke

#### In Political Science

Robert Leonard Schumann

\*Completed requirements January 29, 1959

\*\*Completed requirements August 29, 1958

*In Psychology*

Ronald Larry Paul

## DEPARTMENTAL HONORS

*In Biology*

Paul Charles Rodenhauser, Jr.

*In Business Administration  
and Economics*

\*\*Fred McCleaf Herring

*In English*Elizabeth Jane Miller  
Robert Bruce Wolf*In French*

Mary Margaret Schrack

*In History*

Robert Michael Philson

*In Philosophy*

Frederick Arthur Foltz

*In Physical Education*\*\*Robert Barkley  
Nancy Elizabeth Hood*In Psychology*C. Lynne Bonney  
John Carter Kellow, IV  
Janet Eileen Leight  
Sara Jane Schneider*In Spanish*

\*Marilyn Ruth Gnant

*In Mathematics*Helen Louise Berkey  
Shirley Alice Burkert  
\*Richard Arthur Leight  
Nancy Logan  
J. Arthur Seebach, Jr.  
Beatrice Lillian Spofford

## SENIORS ELECTED TO PHI BETA KAPPA

Sandra Marie Amundsen  
Howard Taylor Beagle  
Helen Louise Berkey  
C. Lynne Bonney  
Frederick Arthur Foltz  
Edna Bertha Grommisch  
Fred McCleaf Herring  
Margaret Kilpatrick  
Jack Arthur Kline  
Elizabeth Jane Miller  
Ronald Larry Paul  
Robert Michael Philson  
Sara Jane Schneider  
Mary Margaret Schrack  
Robert Leonard Schumann  
J. Arthur Seebach, Jr.  
Dianne Sheffer  
Beverly Joy Vaniel  
John Joseph Wenzke  
Robert Bruce Wolf

## PRIZES AND AWARDS

AMERICAN ASSOCIATION OF  
UNIVERSITY WOMEN  
GIFT MEMBERSHIP

Harriet Elaine Wolfe

## BAUM MATHEMATICAL PRIZE

Ralph Frederick Guise

*With Honorable Mention*David Alan McGaughy  
Robert Leese Wineholt

## BEACHEM AWARD

Robert deRoos Smith  
John David YohnBETA BETA BETA  
JUNIOR PRIZE

Theodora P. Tichy

BETA BETA BETA  
PROVISIONAL PRIZE

Gary Graham Jackson

## C. E. BILHEIMER AWARD

Nancy Elizabeth Hood  
Robert deRoos Smith

## CHI OMEGA SOCIAL SCIENCE AWARD

Beverly Joy Vaniel

MALCOLM R. DAUGHERTY  
MATHEMATICAL AWARDCharles Richard Wahl  
Alfred John DaroldDELTA GAMMA ALUMNAE  
ASSOCIATION AWARD

Judith Marie Keyes

## DELTA PHI ALPHA PRIZE

David Joseph Jones, Jr.

ANTHONY DI PALMA  
MEMORIAL AWARD

James Edward Garman

MARGARET E. FISHER  
MEMORIAL AWARD

Richard John Davidyock

## GARVER GREEK PRIZE

Eric Rodman McGrail

## GARVER LATIN PRIZE

Julia Elizabeth Yeager

## GERMAN ART AWARD

Doris Jean Kurzenkabe  
Karl Peter Stofko  
Diana Elisabeth Brehl  
Bernadine Doris Blumenstine

\*Completed requirements January 29, 1959

\*\*Completed requirements August 29, 1958

## GRAEFF ENGLISH PRIZE

Thomas Alexander Sinclair

## HAMME AWARD

James Harvey Brenneman  
Richard John Davidyock  
Sue Ann Ruby

## HANSON AWARD

Robert Bruce Wolf

## HASSLER LATIN PRIZE

Mervin Robert Dilts

## FRANK H. KRAMER AWARD

Carol Ruth Reed

## LUTHERAN BROTHERHOOD AWARD

Judith Marie Keyes  
Robert John Menges

## MILITARY MEMORIAL PRIZE

Herman Leroy George, Jr.      Air Science  
Lee Patrick Irvin              Military Science

## MOORE AWARD

Nancy Elizabeth Hood  
Robert Leonard Schumann

## MUHLENBERG FRESHMAN PRIZE

Julia Elizabeth Yeager

## WM. F. MUHLENBERG AWARD

Robert John Menges

## NICHOLAS BIBLE PRIZE

George Oliver Butz

## WILLIAM H. PATRICK AWARD

Frederick Marshall Ritter, Jr.

## PHI SIGMA IOTA PRIZE

Sara Jane Schneider  
Marilyn Ruth Gnant

## PI DELTA EPSILON AWARD

Barbara Ann Borke

## SCEPTICAL CHYMISTS PRIZE

Theodore Oscar Doyle, Jr.

## STINE CHEMISTRY PRIZE

Jack Arthur Kline

## DR. GEORGE W. STONER AWARD

Jack Arthur Kline

## WEAVER ESSAY PRIZE

Robert Leonard Schumann

## ZIMMERMAN SENIOR PRIZE

Guy Shannon Edmiston, Jr.  
Frederick Arthur Foltz

## UNITED STATES ARMY COMMISSIONS

*Commissioned as Second Lieutenants in the United States Army Reserve*

†Gene McCrae Albright  
C. Rush Barr, III  
†Barclay Alan Boyd  
†Karl Richard Brunner, Jr.  
\*Benjamin Clyde Buckley, Jr.  
\*John Henry Clark, II  
William Patrick Conway  
\*Henry Francis Coyne  
David Racey Denman  
\*James Dethlefsen  
William Shipman Diehl  
\*John Linwood Geiser  
Frank Edward Grzelecki  
Bruce Edgar Hamilton  
†Jack Dalton Hathaway  
\*Lee Patrick Irvin  
†David Joseph Jones  
†Norman Richard Kear  
†Earl Selby King

†Jon Andrew Kosty  
Geoffrey Hardinge Langsam  
†Andrew VanNatta Leh  
Harold Thomas McElroy, Jr.  
†Everett Franklin May, Jr.  
\*Walter Melnik, Jr.  
†James Lewis O'Brien  
†Donald Hill Odell  
†\*Herbert Meeth Payne, Jr.  
Edwin Stanley Rittenhouse  
\*Gary Lee Seufert  
†John Shallock  
Richard Montgomery Simpson  
Richard Heath Stevenson  
Robert Dewitt Taggart  
Dietrich Fredric Wahlers, Jr.  
†Francis Delano Warfel  
Donald George Wetzel

## UNITED STATES MARINE CORPS COMMISSION

*To be commissioned in the United States Marine Corps*

John Wilfred Doub, Jr.

\*Distinguished Military or AFROTC Graduates

†To be commissioned in Summer, 1959

\*\*Distinguished Military Graduates to be commissioned in Regular Army

## UNITED STATES AIR FORCE COMMISSIONS

*Commissioned as Second Lieutenants in the United States Air Force Reserve*

John Richard Dill	°Robert Michael Philson
Alan Cole Duncan	Jerry Lee Rhoads
†°Laurence Norman Johnson	Philip Hay Schulz
Joseph Ransome Koon, Jr.	Ralph William Sheaffer
†Constantine Peter Koulouris	Paul John Stahl, Jr.
Bernard Lee Langeluttig	Ronald Anthony Venturini
Reinhard Charles Ludin	†Richard Kent Wagner
°Arloe Richard Olsen, Jr.	David Charles Walker
Robert Tivy Phildius, Jr.	

## HONORARY DEGREES

## DOCTOR OF DIVINITY

Walter Carl Johnson	Paul Heiges Smith
Arthur Elder Millar Yeagy	

## DOCTOR OF LETTERS

Thomas Henry Ford

## DOCTOR OF LAWS

Henry Endress	Hiram Harpel Keller
Arthur Sherwood Flemming	

°Distinguished Military or AFROTC Graduates

†To be commissioned in Summer,

°°Distinguished Military Graduates to be commissioned in Regular Army



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# Gettysburg College Bulletin



The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time, but its practice is to make no provisions retroactive.



# Gettysburg College Bulletin

CATALOGUE NUMBER  
ANNOUNCEMENT OF COURSES  
FOR 1961-1962



Vol. LI No. 3 April 1961

GETTYSBURG COLLEGE

GETTYSBURG, PENNSYLVANIA



# Gettysburg College

*Liberal Arts*

*Coeducational*

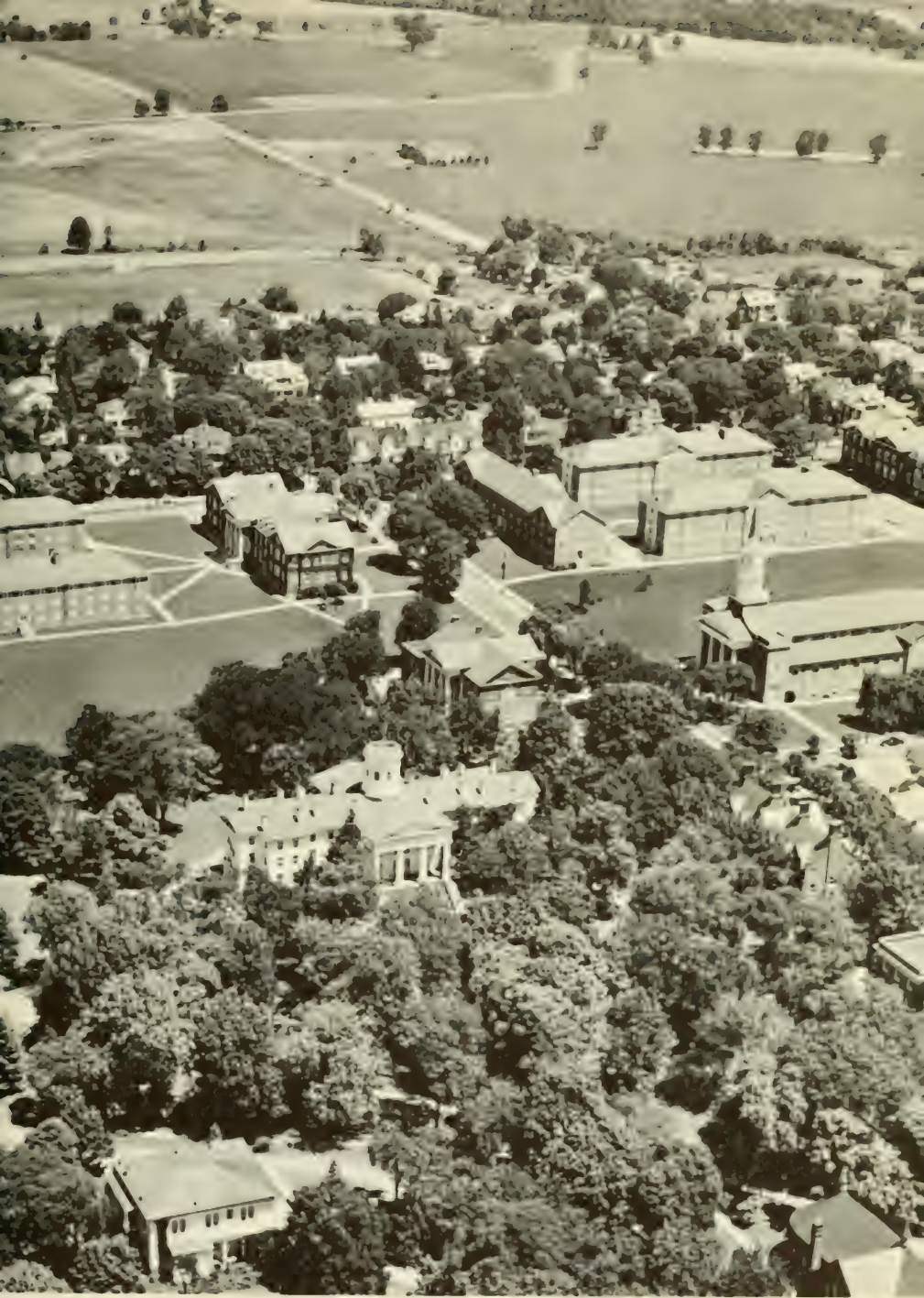
*Privately Supported*

*Church Related*

*Residential*

*Student Body of about 1600*





# The Calendar 1961-1962

## SUMMER SESSION 1961

June 12	<i>Monday</i>	First session begins
July 15	<i>Saturday</i>	First session ends
July 17	<i>Monday</i>	Second session begins
August 19	<i>Saturday</i>	Second session ends

## FALL SEMESTER 1961

September 10-13	<i>Sunday-Wednesday</i>	Orientation Week and Registration
September 14	<i>Thursday</i>	Classes begin, 7:50 A.M.
September 14	<i>Thursday</i>	Formal Opening Exercises, 11:00 A.M.
October 14	<i>Saturday</i>	Father's Day
October 28	<i>Saturday</i>	Alumni Homecoming
November 6	<i>Monday</i>	Midsemester Reports due
November 22	<i>Wednesday</i>	Thanksgiving Recess begins, 12:00 Noon
November 27	<i>Monday</i>	Thanksgiving Recess ends, 7:50 A.M.
December 16	<i>Saturday</i>	Christmas Recess begins, 12:00 Noon
January 3	<i>Wednesday</i>	Christmas Recess ends, 7:50 A.M.
January 3-5	<i>Wednesday-Friday</i>	Senior Comprehensives for January graduates
January 15-24	<i>Monday-Wednesday</i>	Semester Examinations

## SPRING SEMESTER 1962

January 29	<i>Monday</i>	Registration
January 30	<i>Tuesday</i>	Classes begin, 7:50 A.M.
March 9-10	<i>Friday-Saturday</i>	Interfraternity Weekend
March 19	<i>Monday</i>	Midsemester Reports due
April 7	<i>Saturday</i>	Founders' Day
April 17	<i>Tuesday</i>	Easter Recess begins, 12:00 Noon
April 25	<i>Wednesday</i>	Easter Recess ends, 7:50 A.M.
May 5	<i>Saturday</i>	Mother's Day
May 9-11	<i>Wednesday-Friday</i>	Senior Comprehensives
May 16	<i>Wednesday</i>	Spring Registration
May 17-26	<i>Thursday-Saturday</i>	Semester Examinations
June 2	<i>Saturday</i>	Alumni Day
June 3	<i>Sunday</i>	Baccalaureate and Commencement



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# An Introduction to Gettysburg

IN THE simple and straightforward language of the charter by which it came into being in 1832, Gettysburg College exists "to exert a salutary influence in advancing the cause of liberal education." That has been its primary purpose in the past. It is its primary purpose today.

A liberal education was once thought of as mastery in those studies considered appropriate for "freemen" as distinguished from members of the servile classes. Now we would define it in different terms. We would say that it is the education which frees a man, whatever his social background might be, from the tyranny of having to think and act solely on the strength of his own personal experiences, which by their very nature are limited and partial. A liberal education develops his capacity to interpret and generalize upon experience. And, in so doing, it leads him to an understanding of his own capabilities and limitations, of the relationships which he must establish with others, and of the universe in which he lives. A liberal education prepares one to think with imagination and precision, to form wise judgments, and to act in many different types of situations on the basis of a critical consideration of all available information.

As a community of learning, Gettysburg College is dedicated first and foremost to developing the intellect. But the faculty knows that learning alone, priceless though it may be, is not enough. Every life, if it is not to be like a ship without a rudder, needs the direction which allegiance to sound moral and spiritual values alone can provide. As a Christian college, Gettysburg endeavors to maintain an atmosphere in which its students will be encouraged to examine and recognize the merits of Christian values and ideals in the development of their personalities.

The curriculum of liberal arts and sciences which the College offers young men and women reflects its primary purpose. The student is given opportunity to improve his command of written and spoken English, in-



dispensable tools for whatever he wants to do. He gains a degree of mastery in at least one foreign language. He studies the methods of the natural and social sciences. He acquaints himself more fully with history, philosophy, religion, literature, art, and music, especially of the Western World.

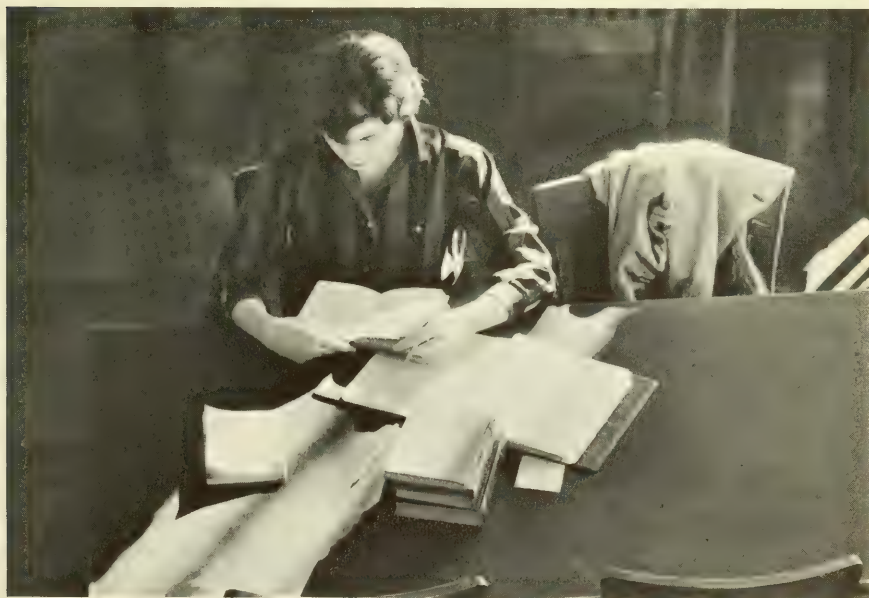
Along with his efforts to gain a breadth of knowledge the student begins to major in a field of study which particularly interests him and which may be related to the career he has in mind. Some students come to Gettysburg with their major field of study already chosen. Others are uncertain, and these the College encourages to sharpen the focus of their interests and come to a decision. But being neither a graduate nor a professional school, Gettysburg insists that all its students direct their energies into several areas and not concentrate excessively in any one.

With all these considerations in mind, we can state in summary form our view of the goal of an education at Gettysburg: mastery of a set of basic skills of study, research, and expression; command of a body of information in several fields; possession of critical judgment and an inquiring mind; dedication to worthwhile values; and an abiding desire to live a useful life.



Education is not now, and never has been, a passive process. A college cannot guarantee that a four year investment of time and money will result in an educated man or woman. A contract with a college is not to be compared with one in which a painter agrees to paint a house in return for a stated sum of money. Ultimately every student must educate himself. At best his teachers can only help him begin to do this and show him that education is a lifelong process. Especially now when many fields of knowledge are expanding rapidly, young people must prepare to teach themselves. Much of what they know when they graduate will be obsolete in a decade or two.

When a half century ago Woodrow Wilson declared that "what we should seek to impart in our colleges . . . is not so much learning itself as the spirit of learning," he was merely recognizing some of the practical limits which exist in the educational process. The Gettysburg faculty is aware that, in spite of its eagerness to teach and counsel, the ultimate test of the College will be the measure of its success in providing situations in which young people are themselves inspired, by the "spirit of learning" which pervades the College, to accept both the greater independence and increased responsibility which higher education entails.



## CHOOSING A COLLEGE

Choosing a college where one will spend four years is always a most important decision for a young man or woman to make. It is one which probably will have lifelong consequences. On the basis of its experience the Gettysburg Admissions Staff tries to select applicants who not only have the necessary intellectual qualifications, as measured by the achievement record which they submit, but who also give promise of wanting to learn much more than they already know. This latter requirement is of cardinal significance, because a young person who has no compelling desire to compare, weigh, question, and probe has no place in an institution of higher learning. He will, in fact, be unhappy as long as he remains there.

Any person seriously interested in Gettysburg should learn as much about the school as he possibly can before deciding whether it is the college which he really wants to attend. One of his main concerns should be whether Gettysburg College can provide for him the atmosphere in which he will want to learn. He should ask questions of the Admissions Staff, and also of students, faculty, alumni, and friends of the College whom he might know. He should come to the campus and remain long enough to gain a distinct impression of the many and varied activities which go on here and of the atmosphere they create.

## GETTYSBURG COLLEGE PAST

The visitor to the campus will find an institution that has been in existence for more than 125 years. Gettysburg College was organized in 1832. It was one of about forty American colleges founded in the decade of Jacksonian Democracy. Its founder was the Rev. Samuel Simon Schmucker (1799-1873), a young Lutheran clergyman educated at the University of Pennsylvania and the Princeton Theological Seminary. One of the goals Schmucker early set for himself was to establish his church's first theological seminary in America. This became a reality when in 1826 the Lutheran Theological Seminary was organized at Gettysburg, a small southcentral Pennsylvania community chosen because it was then central to the main branches of the church.

A second of Schmucker's goals was to found a college. This was an especially urgent purpose because of the meager academic preparation of his theological students. After several years he turned to some of the leading citizens of the community for support in establishing a college which, he promised, while under the control of trustees who were Lu-



theran would always be unsectarian in its instruction. The charter of Pennsylvania College of Gettysburg was granted by the legislature in the spring of 1832 and instruction began in the fall of the same year. It was the first Lutheran college in America. The present name—Gettysburg College—was legally adopted in 1921. Thus the College was founded under double auspices: church and community. It has always been an independent, church-related institution, relying for its financial support upon private sources. In recent years several members of its Board of Trustees have been chosen by three synods of the United Lutheran Church in America.

When the armies of North and South clashed at Gettysburg during the memorable July days of 1863 regular College classes then in session were suspended, the campus was occupied by Confederates, and Pennsylvania Hall (Old Dorm) was pressed into use as a hospital for wounded of both sides. A century later both the community and the College are still influenced by the momentous battle which occurred here and by the visit of President Lincoln in November 1863 to dedicate the National Cemetery. Each year a million or more tourists from all parts of the coun-





try and from abroad visit the battlefield and cemetery. The town, with a population of about 8000, is easily accessible by highway from north, east, south, and west.

In the years since 1832 more than 14,000 persons have been enrolled in the College and 8900 have received degrees. Of the larger number, there have been more than 2500 men and women who made education their career, including some 60 college presidents. More than 2000 clergymen, 1000 doctors and dentists, and 500 lawyers have been among its alumni. At least 2500 graduates have gone into business and industry.

### GETTYSBURG COLLEGE PRESENT

In more than a century and a quarter of service Gettysburg College has grown in many ways. At the beginning there were but 5 instructors; there are now more than 130. From an original enrollment of 23 the student body has increased to about 1600 today, of whom more than one-third are women. The campus of 100 acres has more than 30 buildings, one-third of which have been completed in the past decade. Old Dorm, the oldest College structure, cost less than \$16,000 to build in 1837-1838. The physical equipment of the College is now valued at more than \$9,000,000.

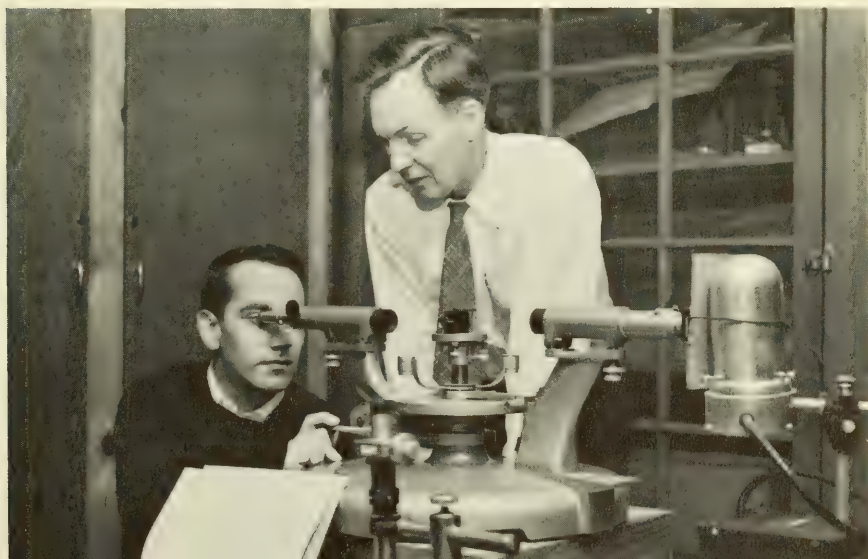
Gettysburg College has been on the accreditation list of the Board of Regents of the State of New York since 1913 and on that of the Middle States Association of Colleges and Secondary Schools since its first accred-



itation list was prepared in 1921. The College has been approved by the Department of Public Instruction of the Commonwealth of Pennsylvania, the American Medical Association, the American Chemical Society, and the American Association of University Women. It is one of fourteen colleges and universities in Pennsylvania sheltering a chapter of Phi Beta Kappa.

The Gettysburg students of today have access to rapidly expanding library, laboratory, and other academic facilities. They have the opportunity to work closely in and out of the classroom with a young and vigorous faculty who are genuinely interested in their welfare and desirous of establishing close personal relationships with them. The faculty invite students to join them in their attempts to extend the limits of man's understanding by independent study, research, and writing. Where their aptitude and interests warrant it, students are encouraged to continue their formal education beyond the College. In recent years about one-fourth of the men and women graduates have been responding to this encouragement by entering graduate and professional schools.

From wherever he comes, whatever may be his interest and his program, and however he may hope to determine and achieve his goals, the discerning Gettysburg student will find on the campus a healthy dissatisfaction with the present state of man's knowledge about himself and the universe in which he lives. He will find a desire to test old truths and find new ones. He will discover the abiding joy of learning, of judicious skepticism, and of sound judgment. In short, he will find in Gettysburg a college which is striving to carry out the injunction of 1832 "to exert a salutary influence in advancing the cause of liberal education."





# The Academic Program

## DISTRIBUTION AND CONCENTRATION

The courses of study offered by Gettysburg College reflect that which the faculty considers necessary in helping the student achieve the goal of a liberal education. Most candidates earn the degree of Bachelor of Arts. A few, having pursued work in Music Education or Health and Physical Education, are awarded the Bachelor of Science degree. Most of the information in this section deals primarily with the Arts curriculum.

During the eight semesters in residence normally required for graduation, a candidate for the Arts degree enrolls in about forty courses. These courses can be divided into three types.

First, about half of them are those taken in fulfilling the distribution requirements. These are courses which the faculty has prescribed to insure that each student will at least explore the main fields of learning, some knowledge of which is indispensable to a liberal education. In meeting these requirements in the humanities, natural sciences, and social sciences, the student takes some specified courses and selects others from an approved list. It is expected that most of the distribution requirements will be completed by the end of his sophomore year.

Second, about one-third of the forty-odd courses which a student takes are offered to fulfill the concentration requirements. These the faculty has prescribed so that each student will work intensively in one major and one minor field of study and gain a useful command of their facts, interpretations, and insights. The major and minor should be fields in which the student has both aptitude and interest. In most cases they are closely related to his intended career. Most students meet the concentration requirements largely in the junior and senior years. This arrangement is not intended to suggest that there should be a strong distinction between distribution and concentration courses. Ideally they complement and supplement each other and help the inquiring student arrive at an understanding of the essential unity of man's knowledge.



Third, the remaining courses which a student takes are free electives. They may or may not be courses in areas related to his major subject. It is regrettable whenever a student is graduated without having taken at least one course in a field largely unknown to him, but one in which he might have become interested.

### THE ADVISING SYSTEM

The College believes that one of the most valuable services which it can render is careful counseling. Accordingly, even before he arrives on campus, each freshman is assigned a faculty adviser to assist in dealing with his academic and other problems.

During the first week of the fall semester all new students participate in an orientation program designed to help them become acquainted with their new environment. All entering freshmen receive in advance a detailed schedule of the events of this program. During orientation, students have several personal conferences with their advisers, take part in discussions of college life, and engage in other activities intended to familiarize them with their new home. They also take achievement and placement tests which provide the College with valuable information concerning their educational background and academic potential. These tests help the College in its effort to provide an education suited to each student's needs.

During the year each freshman adviser arranges periodic meetings with his advisee to review his progress. He is available also at other times to discuss unexpected problems as they arise. Any changes in a freshman's schedule must be approved by the adviser.

At the end of the freshman year, when a student should choose a major field of study, the chairman or some other member of the major department becomes his adviser and assists him in the preparation of his sophomore schedule. Until the student leaves College he retains the same adviser, who performs functions similar to those of the freshman adviser, including the approval of all his schedules.

It is the responsibility of sophomores and upperclassmen to take the initiative in discussing their entire academic program with their advisers. As already indicated, the College encourages qualified students to prepare for graduate work, which is becoming a necessity in an increasing number of career fields. It is important for such students to consult their advisers and become familiar with the language and other requirements of the graduate programs in which they are interested. They should know





well in advance of graduation what they must do to qualify for fellowships and similar awards to help them financially in graduate school. Above all, they should know how important it is to build a superior undergraduate academic record.

A student wishing to change his major course of study must secure the approval of the department in which he is a major and the one in which he desires to major. Juniors and seniors making such a change should understand that they may be required to spend more than eight semesters in residence in order to complete their concentration requirements.

#### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

The Bachelor of Arts degree will be conferred upon the student who completes satisfactorily the following:

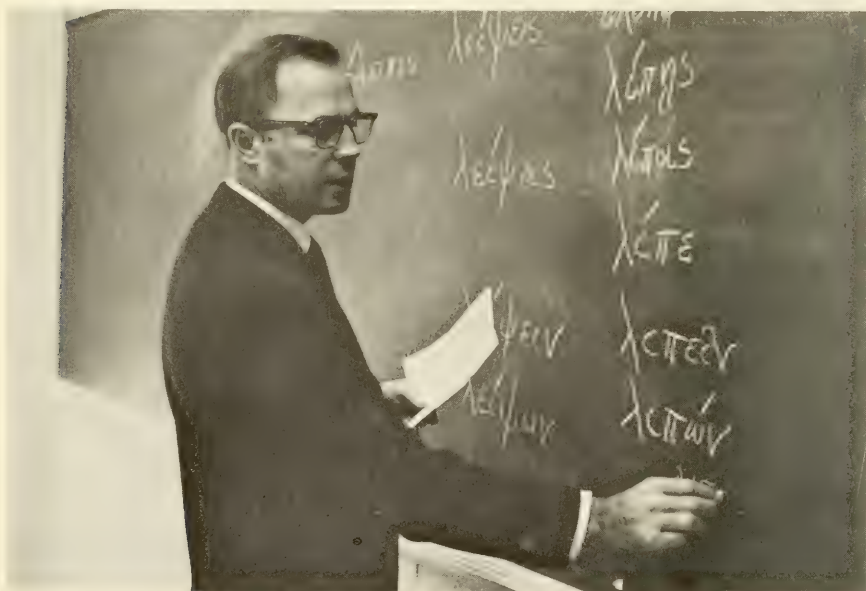
- 1) 120 semester hours of academic work<sup>1</sup>, plus the freshman and sophomore program (4 semesters) in Health and Physical Education, Military Science, or Air Science;
- 2) the distribution requirements;
- 3) the concentration requirements in a major and minor field of study;
- 4) the comprehensive examination in the major field;
- 5) a minimum grade average of C and an average of C or better in the major field;
- 6) the senior year and a minimum of 30 semester hours of academic work in residence at Gettysburg College; and
- 7) the discharge of all financial obligations to the College.

<sup>1</sup> The amount of credit given for each successfully completed course is expressed in terms of semester hours. A semester hour of academic work consists of one hour of classwork, two or three hours of laboratory work, or a combination of class and laboratory work, each week for a semester.

### DISTRIBUTION REQUIREMENTS

Each candidate for the Bachelor of Arts degree must satisfactorily complete the following distribution requirements:

- 1) *English Composition*  
English 101-102
- 2) *Introduction to Contemporary Civilization*  
General Education 101-102
- 3) *Old and New Testament History*  
Biblical Literature and Religion 101 and 102
- 4) *Foreign Language*  
6 hours *above* the elementary (101-102) course in French, German, Greek, Latin, Russian, or Spanish
- 5) *Science*  
8 hours in Biology, Chemistry, or Physics
- 6) *Second Language, Second Science, or Mathematics*  
6 hours *above* the elementary (101-102) course in a second language; 8 hours in a second science; or 6 hours in Mathematics 101 and 102, 103-104, or 105-106
- 7) *Literary Foundations of Western Culture*  
General Education 201-202





8) *Literature*

6 hours in English, French, German, Greek, Latin, Russian, or Spanish Literature. Refer to the introductions of the departments of English, German, Greek, Latin, and Romance Languages under Courses of Instruction for courses which satisfy this requirement

9) *Humanities and Social Science*

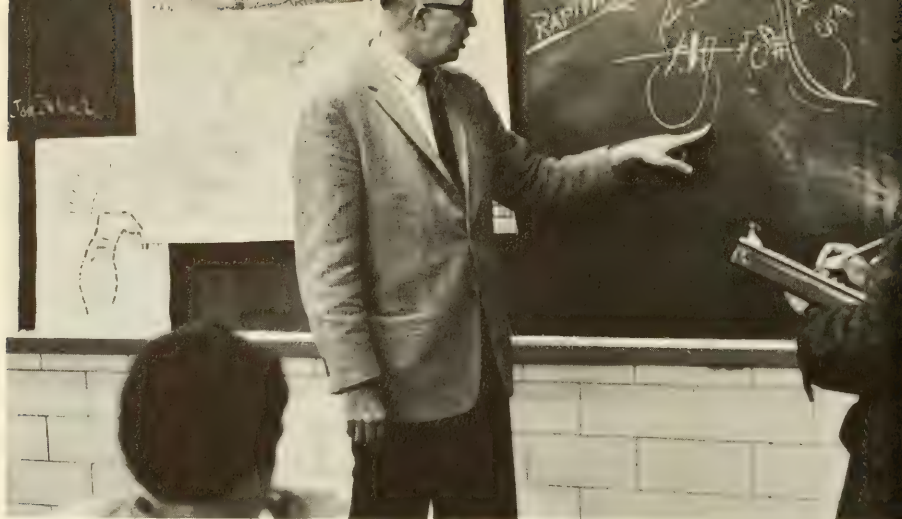
6 hours in one of the following: Economics, History, Philosophy, Political Science, Psychology, or Sociology

10) *Art and Music*

2 hours in Art and 2 hours in Music. Refer to the introductions of these departments under Courses of Instruction for courses which satisfy this requirement.

#### CONCENTRATION REQUIREMENTS

A major course of study consists of a minimum of 24 semester hours of work. Any department may increase this number and may designate specific courses for its majors to take. Requirements of the various departments are listed in the appropriate introductions under Courses of Instruction.



In consultation with his major adviser each student selects a minor course of study, consisting of a minimum of 12 semester hours. The minor should be related in some way to his particular interests and abilities and must be approved by the adviser.

The following are acceptable major and minor fields of study at Gettysburg College: Art, Biblical Literature and Religion, Biology, Business Administration, Chemistry, Economics, English, French, German, Greek, Health and Physical Education, History, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology, and Spanish. A minor, but not a major, is possible in Education and Russian.

Elementary (101-102) courses in English and other languages are not included in computing hours for the major or minor. A minor in a laboratory science is interpreted to mean either two full-year courses or the equivalent.

No later than the beginning of the senior year, and with permission of the major adviser and the head of the other department concerned, a student may select a second major, which will be entered on his record if all the requirements of both departments are met, including comprehensive examinations.

#### COMPREHENSIVE EXAMINATION

Every candidate for the bachelor's degree is required to pass a senior comprehensive examination in his major field of study. This examination is intended to test the depth of his knowledge in his major field, determine his ability to analyze and apply its significant ideas, and serve throughout his college career as a challenge to integrate the material of his chosen field of study.



The senior comprehensive examination is given shortly before the close of the spring semester at times announced well in advance. It extends over a period of three days and may be written or oral or both. The following grades are given: passed with highest honors, passed with honors, passed, and failed. A student who fails the comprehensive in the spring may not take a reexamination before the end of the first semester of the Summer Session.

## REQUIRED PROGRAMS OF STUDY

The schedules of freshmen are prepared on the basis of correspondence with the student during the summer preceding his enrollment. The required program for freshmen includes English 101-102, General Education 101-102, and Biblical Literature and Religion 101 and 102. Most students also take a language and one of the following: a science, a second language, or mathematics. Prospective science and mathematics majors may postpone a language and instead take science and mathematics as their fourth and fifth courses. Students are strongly advised to continue the study of a foreign language in which they already have some competence.

Unless specifically excused, all freshmen take Physical Education, Military Science, or Air Science.

Sophomores are required to take General Education 201-202, continue fulfilling their distribution and concentration requirements, and complete the required program in Physical Education, Military Science, or Air Science.

All required courses which have not been completed by the end of the sophomore year must be included in the junior program. Juniors and seniors should schedule at least one or two courses each semester outside their major field.

## SCHEDULE LIMITATIONS

The normal schedule enables a student to complete the graduation requirements in eight semesters. For freshmen and sophomores the normal schedule is 15 or 16 hours each semester, in addition to basic Physical Education, Military Science, or Air Science. During the junior and senior years, with the permission of his adviser, a student may carry 18 hours each semester. Since it is assumed that this amount of academic work, if done thoroughly, will completely occupy the available time of virtually all students, a schedule in excess of 18 hours will be permitted

only where the previous academic record and the best interests of the individual student appear to warrant it. Such schedules must be approved by the Dean of the College or the Dean of Students.

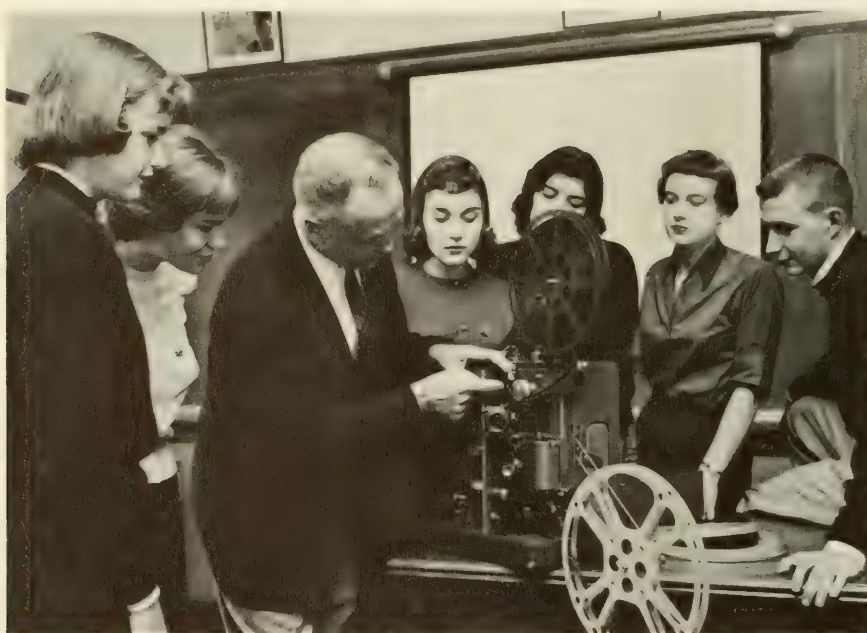
No student who is a candidate for a degree may take fewer than 12 hours of work in a given semester without the approval of the Dean of the College or the Dean of Students.

## PREPROFESSIONAL PROGRAMS

### TEACHER TRAINING

Gettysburg College is accredited by the Pennsylvania Department of Public Instruction, which will grant its graduates who meet the requirements a College Provisional Certificate in academic fields as well as in Music or Health and Physical Education.

Students preparing to teach in public and private schools should register with the chairman of the Department of Education early in their sophomore year and discuss their remaining program with him. They should also seek opportunities to work with young people in church, scouting, and other youth organizations.



All students preparing to teach should schedule Psychology 201 in their sophomore year. Those preparing to teach in the secondary schools of Pennsylvania, Maryland, New Jersey, New York, and Delaware should take Education 301, 305, 309, and 401. Education 313 is recommended as an elective. A total of 18 hours in education courses is required. New York requires, in addition to the above, a course in methods and materials related to the student's major subject. New Jersey requires either Biology or Health Education 311 or 314 in addition to the 18 hours in education.

The requirements for certification in the various subject-matter areas in five states are as follows:

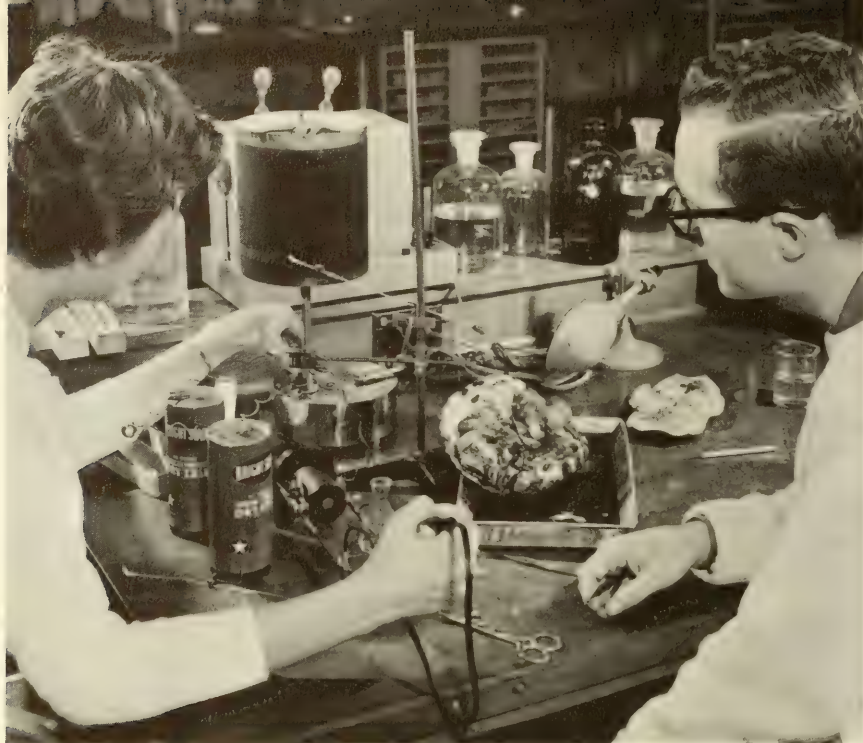
In *Pennsylvania* a minimum of 24 hours is required for certification in Biology, Chemistry, Physics, General Science (courses in at least 2 sciences), Mathematics, History, History and Government, and a foreign language (proficiency in conversation, reading, and writing is required). A minimum of 36 hours is required for certification in English, Physics and Mathematics, and Social Studies. The following areas must be included in Social Studies: History, Political Science, Economics, Economic Geography, and Sociology. A course in Anthropology is recommended. Reading will be included on the English certificate when a minimum of 6 hours in reading courses has been completed. The above requirements apply to those seeking certification in Pennsylvania after October 1, 1963. Students applying for certification prior to this should consult the 1960 College Catalogue.

In *Maryland* a minimum of 18 hours is required for certification in Biology, Chemistry, French, Latin, Mathematics, and Physics. A minimum of 24 hours is required in English and Social Studies (18 of which must be in History, including American History, and 6 in Economics, Sociology, or Political Science). A minimum of 27 hours is required for High School Science (including 6 in Biology, Chemistry, and Physics; and 3 in Geology, Astronomy, Meteorology, or Conservation).

In *New Jersey* a minimum of 18 hours is required in Biological Science, English, General Science, Health Education, History, Instrumental Music, Foreign Languages, Mathematics, Physical Education, Physical Science, Political Science, Economics, Speech, and Vocal Music. A minimum of 30 hours is required for Music, Science, and Social Studies.

In *New York* a minimum of 18 hours is required in Foreign Languages, Mathematics, General Science (including Biology, Chemistry, Physics, and Geology), Biology, Chemistry, and Physics. A minimum of 24 hours is required in English (including American Literature, Advanced Composition, and 6 hours of Speech) and in Citizenship Education (including 12 hours of History with 6 in American History and one course in Political Science, Economics, Economic Geography, and Sociology).

In *Delaware* a minimum of 18 hours is required for certification in Biology, Chemistry, and Physics; and 24 hours in English, Mathematics, Foreign Languages, and Social Studies.



### PREMEDICAL PROGRAM

Premedical and predental students should register early in their junior year with the Dean of the College, who is chairman of the Premedical Committee. Most of these students major in Biology or Chemistry, though this is not a strict necessity. They choose their science and non-science courses in consultation with their major adviser, taking into consideration specific requirements of the graduate schools in which they are interested. Premedical students should pick as many electives as possible in the humanities and social sciences.

All recommendations for admission to medical schools are made by the Premedical Committee.

### PRELAW PROGRAM

The Association of American Law Schools recommends that the student planning a career in law concentrate on developing his capacities to think and express himself clearly, qualities which, it observes, are not the "monopoly of any one subject-matter area, department, or division." No matter what his chosen major might be, the prelaw student will find the members of the Political Science Department willing to advise him regarding his undergraduate program and selection of law schools.



## OFF-CAMPUS STUDY

### WASHINGTON SEMESTER

Gettysburg College participates with American University in Washington in a cooperative arrangement known as the Washington Semester. This enables a limited number of superior students in the social sciences to spend one semester in a firsthand study of the federal government in action.

During this period these students are brought into direct contact with source materials not generally accessible. They have the opportunity to interview members of Congress and the Supreme Court and officers of the executive departments and agencies concerning policies, procedures, and problems of government. In addition to regular courses, students attend seminars and undertake individual research projects in some major area of interest.

The Washington Semester should be taken in either semester of the junior year or the first semester of the senior year. To qualify, a student must have completed at least one course in Political Science, have an average of B or better, and clearly demonstrate ability to work on his own initiative. Most participants are majoring in Political Science, History, Sociology, and Economics, but applicants from other areas are welcomed. Further information may be obtained from the Department of Political Science.

### JUNIOR YEAR ABROAD

Qualified students may apply for permission to spend the junior year abroad. Arrangements can be made with one of many regularly organized programs for study in Europe, Latin America, and elsewhere. Interested students should consult the Dean of the College during the first semester of their sophomore year.

## COOPERATIVE PROGRAMS

Gettysburg College participates in three cooperative programs, in each of which the student spends three years in residence at Gettysburg and an additional two years at another institution. These cooperative programs provide him with the advantages of a general education in a liberal arts college, in which he has the opportunity to study areas basic to his field of particular interest. During his last two years he has the advantages of a specialized education in a university or training school.

Students seeking these programs are admitted to the College under the same conditions as other applicants.

#### ENGINEERING PROGRAM

This program is offered jointly by Gettysburg College and the School of Engineering of Pennsylvania State University. Upon successful completion of the required five years of work, a student will have earned the Bachelor of Arts degree from Gettysburg and the Bachelor of Science degree from Pennsylvania State University.

A student indicates his desire to follow this cooperative program at the time of his admission to Gettysburg College. Under the advising of the Physics Department, he must satisfactorily complete the following courses: Bible 101 and 102; Chemistry 101-102; Economics 201 or 203; English 101-102; General Education 101-102 and 201-202; History 234; one year of a language above the 101-102 course; one year of literature; Mathematics 201-202 (or 105-106 and 205-206), 321-322, and 323-324; Physics 105, 106, 111-112, 201-202, and 205; Psychology 201; Speech 201 and 202; and two years of Physical Education, Military Science, or Air Science. After having taken one semester of Military Science or Air Science, the student must complete the four semesters of basic ROTC at either Gettysburg or Pennsylvania State University.

Freshmen should register for English 101-102, General Education 101-102, Language 201-202 (or 101-102), Mathematics 201-202 (or 105-106), Physics 111-112, and either Physical Education or ROTC.



Under this program, a student whose aptitude for engineering may be uncertain, or whose decision between engineering and other disciplines may not yet be made, has the opportunity to study both arts and sciences during the first three years of college, during which time he can determine whether his major interest and ability lie in the engineering field.

At the end of the second semester of the third year, a student becomes a candidate for transfer if he has successfully completed all required courses and is recommended for transfer.

A student recommended for transfer is eligible to enter any of the following engineering curricula with junior standing: aeronautical, electrical, civil, industrial, sanitary, and mechanical. This program does not prepare the student for transfer to any other technical curricula at Pennsylvania State University. The individual courses of study in each curriculum at the university can be obtained from the Dean of Admissions, Gettysburg College.

#### FORESTRY PROGRAM

This program is offered in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Arts degree from Gettysburg College and the professional degree of Master of Forestry from the Duke University School of Forestry.

Candidates for the program should indicate to the Dean of Admissions that they wish to apply for the Liberal Arts Forestry curriculum. At the end of the first semester of the third year, the College will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his record at Gettysburg. No application need be made to the School of Forestry before that time.

There is no rigid curricular requirement for the three years at Gettysburg College. Students in the program are advised by the Biology Department and are urged to use the following as a guide. In the freshman year they should take English 101-102; General Education 101-102; Biblical Literature and Religion 101 and 102; Biology 103 and 104; Mathematics 103-104; and Physical Education, Military Science, or Air Science. The recommended program for the sophomore year is General Education 201-202; Chemistry 101-102; Economics 201-202; a foreign language; Physical Education, Military Science, or Air Science; and one elective each semester. In the junior year, they should take Physics 111-112; Biology 301 or 302 or both; Biology 308; Art and Music; a foreign language or English Literature; and several electives each term.

The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry. Copies of this curriculum are available in duplicated form from the Dean of Admissions, Gettysburg College, or in printed form from the Dean of the School of Forestry, Duke University, Durham, N. C.

#### PARISH WORKERS' PROGRAM

This program is offered by Gettysburg College and the Lutheran Deaconess Training School of Ruxton, Md. Young women planning to enter full-time church service may earn the degree of Bachelor of Arts by attending Gettysburg College for three years and by taking work at the Training School for two years. While at Gettysburg they are advisees of the Department of Biblical Literature and Religion and the Department of Sociology. Students in the plan must complete the distribution and concentration requirements, and the comprehensive examination, by the end of their three years at Gettysburg.

Detailed information concerning the program at Gettysburg College may be secured from the Dean of Admissions and concerning the last two years from the Lutheran Deaconess Training School, Boyce Avenue, Ruxton 4, Md., or the Philadelphia Deaconess Training School, 801 Merion Square Road, Gladwyne, Pa.

#### REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE

The College offers the following curricula leading to the degree of Bachelor of Science. The degree of Bachelor of Science in Music Education is offered for those who wish to meet the requirements to teach or supervise Music in the elementary or secondary schools of Pennsylvania. The degree of Bachelor of Science in Health and Physical Education is available for those who wish to teach Health and Physical Education and also qualify to teach General Science. For both degrees satisfactory completion of the senior comprehensive examination is required.

Upon completion of either of these courses of study a student will be qualified to receive a Provisional College Certificate from the Pennsylvania Department of Public Instruction.

Those who do not wish to take Military Science or Air Science must enter the Health and Physical Education curriculum leading to the degree of Bachelor of Arts.



BACHELOR OF SCIENCE IN MUSIC EDUCATION

FRESHMAN YEAR	Hrs.	SOPHOMORE YEAR	Hrs.
Bible 101 and 102	6	Music 203-204	6
English 101-102	6	General Education 201-202	6
Biology, Chemistry, or Physics	8	Foreign Language	6
Music 141-142	4	Education 309	3
Instrumental Class	2	Instrumental Class	2
Applied Music	4	Applied Music	4
Music Appreciation	2	Electives	6
	—		—
Total	32		33
JUNIOR YEAR	Hrs.	SENIOR YEAR	Hrs.
Music 205-206	4	Music 221	3
Music 220	3	Music 305	3
Music 301-302	6	Music 351	12
Music 311-312	6	History 231 or 232	3
Foreign Language	6	Speech 201	2
Applied Music	4	Education 301	3
Electives	6		—
	—		—
Total	35		26

All students enrolled in this curriculum are expected to take Physical Education in their freshman and sophomore years.

BACHELOR OF SCIENCE IN HEALTH AND PHYSICAL EDUCATION

FRESHMAN YEAR	Hrs.	SOPHOMORE YEAR	Hrs.
Bible 102	3	Bible 101	3
English 101-102	6	Biology, Chemistry or Physics <sup>1</sup>	8
General Education 101-102	6	Education 309	3
Biology, Chemistry, or Physics <sup>1</sup>	8	Psychology 201	3
Physical Education 101, 102, 111	7	Speech 201	2
	—	Physical Education 201, 202, 212, 305	9
	—	Elective	3
	—		—
Total	30		31
JUNIOR YEAR	Hrs.	SENIOR YEAR	Hrs.
Education 301, 305	6	Education 337, 401	9
Physical Education 301, 302, 311, 314, 317, 332	16	Physical Education 303, 304, 318, 325, 329	11
Electives	6	Elective	2
	—		—
Total	28		22

All students enrolled in this curriculum are expected to complete the Basic and Advanced Courses in Military Science or Air Science in addition to the program of studies as it is listed above.

<sup>1</sup> Biology required either year.



## RESERVE OFFICERS TRAINING CORPS PROGRAMS

Gettysburg College participates in the national security effort by offering its students, in cooperation with the Department of Defense, the opportunity to enroll in the Army or Air Force Reserve Officers Training program. These programs provide trained reserve officers to meet manpower requirements for present active service and possible future emergencies. Officers of the two services, assisted by enlisted personnel, conduct academic courses and practical leadership training. Adequate equipment and field trips to Army posts and Air Force bases support the program.

The Basic Course taken during the freshman and sophomore years provides a general understanding of the Army or Air Force. It can be used by male students to satisfy a College requirement. Textbooks and uniforms are supplied without cost to the student. Members of a National Guard or Reserve unit may enroll in the Basic Course without change in status and may be excused from attending armory drill while participating in Army ROTC.

A limited number of students who have successfully completed the Basic Course and demonstrated a high degree of proficiency and leadership, and who meet the academic, physical, and aptitude requirements, are permitted to enroll in the Advanced Course during their junior and senior years. Any veteran who has completed honorably two years of military service, if otherwise qualified, may be enrolled in the Advanced Course at the beginning of his junior year.

The Advanced Course prepares the student for active duty as a commissioned officer. Between the junior and senior years he attends a summer camp (six weeks for Army ROTC students and four weeks for Air Force ROTC students) which is devoted to application of the instruction he has received. He is granted remuneration from the date of enrollment in the Advanced Course until graduation, except during the

summer training period, when he receives regular basic pay. He also receives a tailor-made uniform which he retains upon commissioning. Total remuneration during the Advanced Course is approximately \$700.

The branch of service in which an Army ROTC graduate is commissioned is determined by his academic background, his individual desires, and the needs of the Army at the time he receives his commission. Students who are designated Distinguished Military Students may apply for Regular Army commissions. Any officer who is physically qualified may receive Army Aviation or Airborne training. Special programs are available for students who plan to enter law, medicine, or the ministry.

The student who successfully completes Air Force ROTC requirements is commissioned a Second Lieutenant in the Air Force Reserve upon graduation. If he qualifies, he may enter active duty as a flying officer and train to become an Air Force pilot or navigator. He may serve instead in one of many other specialties, depending upon his academic background and personal preference. Distinguished Air Force ROTC graduates may apply for Regular Air Force commissions. Those who enter active duty in a Reserve status may later be authorized to apply for a regular commission.

Students participating in these ROTC programs may be deferred from induction under the Selective Service Act so long as they maintain satisfactory academic averages and continue to demonstrate potential ability to become commissioned officers.

Army ROTC students who are commissioned must agree to serve at least two years on active duty if called and to remain in the Reserves for an additional four years. Graduates in excess of Army active-duty requirements receive six months of active-duty training and remain thereafter in the Ready Reserve until the eighth anniversary of their commissioning. Veterans are obliged to attend only the Branch Officer Schools.

Air Force ROTC graduates electing pilot or navigator training serve on active duty for four years following completion of basic flight training and thereafter for one year in the Reserves. All other Air Force ROTC graduates serve four years on active duty and two years in the Reserves. Any graduate in excess of Air Force requirements may receive six months of active-duty training and remain thereafter in the Reserves for seven and a half years.

Veterans are not obligated for active duty. Graduates of both programs may be deferred from call to active duty if upon commissioning they indicate an intention to pursue graduate study.







# Campus Life

A COLLEGE campus is a community. It is a unique community, for all its members, activities, and facilities are there for a single purpose: to promote the student's liberal education.

The most important aspect of life within the Gettysburg College community centers around the libraries and classrooms, for these are most directly related to the student's intellectual growth. But the other aspects of the community—its living and dining facilities, religious activities, lectures, musical and dramatic groups, newspaper and radio station, organizations, and athletic activities—all make their contribution too. For a liberal arts education directly or indirectly involves all phases of man's life, his spiritual, physical, and social life, as well as his intellectual life.

Living within a college community is exciting. The student is challenged. He thinks, he acts, he learns. It is for him, the student, that the community exists.

## LIVING ACCOMMODATIONS

In a college community an important part of the total education takes place in the dormitories and other residence buildings. A college room is a study. Here the student does much of his class preparation and reading. In the residence buildings students learn to live together; they learn to be tolerant and to respect the rights of others. Here students talk freely with each other; in these conversations they gain experience in expressing their own opinions and in listening to and evaluating the opinions of their contemporaries. Here students learn that there are many views to take of a problem, views that are both enhanced and hindered by their fellow students' personalities, insights, and prejudices. For in a college residence, a student associates closely with others who have different social and economic backgrounds and who have different talents and special interests.

*Dormitories* At Gettysburg College the majority of the students live in College dormitories, most of which are new, modern, comfortable buildings. The rooms in the dormitories are designed to provide facilities for study and rest. In each dormitory there is a lounge in which students may relax or meet callers. Under the guidance of carefully selected and qualified student counselors, the residents of each dormitory solve their own living problems. A qualified head resident is available in each of the women's dormitories to help the girls in any way she can. Each fall the residents of each dormitory elect officers, who work with the counselors and head residents to solve any dormitory problems, and to plan improvements and activities in the dormitories. These officers represent their dormitories on campus governing councils.

*Fraternity Houses* On and surrounding the Gettysburg College campus there are thirteen fraternity houses for upperclass members. These houses provide living, study, and eating facilities for the members of each social group. Each house has a qualified housemother, who acts as a hostess for the house and as a chaperon at dinner parties and small social affairs.

*Rooms* All women in the campus community are required to live in a dormitory unless they have special permission from the Dean of Students. Some of the men students live in rooms off campus which have been approved by the Dean of Students. Most of these rooms are located in nearby private homes.





### DINING ACCOMMODATIONS

All women students, except those living at home, and all entering freshmen are required to take their meals in the College Dining Hall. Fraternity pledges are permitted to eat the evening meal and Sunday noon meal in their fraternity houses. The Dining Hall is an air-conditioned one-story brick building, which can accommodate 750 people at one sitting. Breakfast and lunch are served cafeteria style; dinners are served family style three times a week.

### RELIGIOUS LIFE

One of the principal objectives of Gettysburg College is to provide an environment in which the students may grow spiritually. In college a student may encounter new ideas and concepts which stagger and confuse him. These ideas should not destroy his faith, but should make him think about a faith he may previously have taken for granted, a faith which is merely a remnant of childhood instead of a mature, vital part of his adult life. The intellectual life and the religious life of the College are united—as they should be in the student as well. In the College campus community students are encouraged to discuss religious problems, to resolve questions, to establish a firm, vital, and mature Christian faith.

Students are encouraged to worship regularly in the churches of the local community. All Gettysburg churches welcome the college students; many invite them to join special college groups at the church for fellowship and discussion.

The College also offers opportunities for worship in Christ Chapel on three weekday mornings. These services are not compulsory, but are open to all students and faculty who wish to attend. The weekday chapel services are led by ministers from Gettysburg and surrounding communities, by members of the College faculty, and occasionally by students. A Chapel Choir provides music for these worship services. Because students often desire a few minutes of quiet meditation and prayer, Christ Chapel is open each evening Sunday through Friday between 10:00 and 10:30. Any student may enter and leave the chapel as he pleases during this time. The sanctuary is lighted only by the altar candles; a student organist plays softly for quiet meditation and prayer.

Christ Chapel symbolizes the importance of religious life at Gettysburg College. It has a seating capacity of 1250, and thus enables three-quarters of the student body to participate in worship services at one time. In Christ Chapel the College Pastor and the Student Christian Association have their offices.





*Student Christian Association* The Student Christian Association, a fellowship of students and faculty dedicated to the development of the Christian faith, welcomes into its membership all students regardless of denominational affiliation. This interdenominational group offers students an opportunity to develop and share their Christian faith in a program of fellowship, worship, and service. Founded in 1867, it is a vital campus organization. It has a wide variety of projects including weekly meetings, daily devotions, forums, lectures, discussion and study groups, publications, social service activities, and conferences. One of its most important projects is planning and conducting Religious Emphasis Week. The Student Christian Association is guided by four elected officers, a cabinet of ten appointed committee chairmen, three faculty advisers, and the College Pastor. SCA is the only group authorized to hold regular religious meetings on the campus.

*Religious Emphasis Week* Each year three or four days during February are set aside for Religious Emphasis Week. This observance focuses campus attention on contemporary religious problems. During REW week, outstanding religious leaders, laymen as well as clergymen, give lectures, lead discussions, and hold forums. Students and faculty take part in these discussions and forums. The College choirs participate in the programs. The Owl and Nightingale Players, the campus dramatic

organization, presents a play which it feels will pose questions all with religious concerns should consider. In recent years such plays as Maxwell Anderson's *Mary of Scotland*, readings from Archibald MacLeish's *J.B.*, and Arthur Miller's *The Crucible* have been staged. The College recognizes this week as a high point of the school year, as a time for strengthening the religious life of both students and faculty. It is considered not as a week in which all the campus community emphasizes religion so all will have fulfilled their religious obligations for the year, but as a week which gives renewed vitality to the spiritual life of the campus.



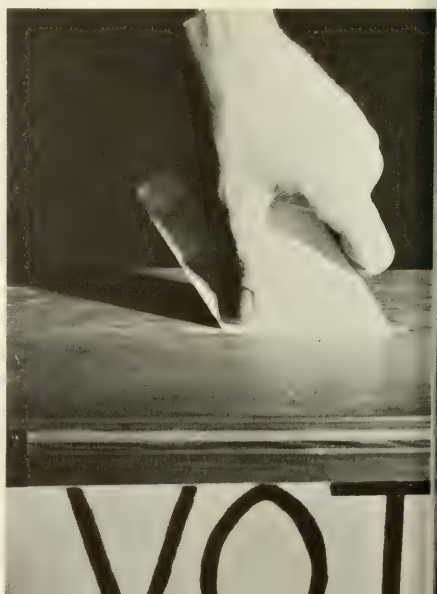
## STUDENT GOVERNMENT

A vital part of any community is, of course, its government. The students of Gettysburg College are proud of the provisions for self-government which exist on the campus—a condition which reflects the faculty's and administration's belief in democratic action and in the maturity of students. A liberal arts education should, in theory at least, help develop a person's critical sense, his ability to reason and to think for himself, and his ability to make wise and thoughtful decisions. One important application of this education lies in self-government. For to govern wisely a student must think critically and constructively, make sound decisions, and implement legislation through constructive means. Furthermore, self-government gives the student an opportunity to express opinions, to initiate action and reform, and to practice being a good citizen of a community. A liberal education must help produce responsible citizens; self-government in a college community provides a practice ground.

It is important that each citizen of the college community accept his responsibility, for democratic government can be effective only when individual citizens accept their responsibilities. In a college community, then, a responsible student must participate in student government by exercising his right to vote for class officers, Student Senate executive officers, Honor Commission members, and other delegates; he must examine the proposals and action of his elected governing bodies; he must voice his opinions and submit his constructive criticisms in mature, legal ways; and he must show a willingness to support and participate in student affairs.

### STUDENT SENATE

The Student Senate is the chief unit in student government at Gettysburg College. This organization works in cooperation with the administration and faculty to bring to the campus community a well-organized and democratic form of student government. It represents the students in forming school policies and works to promote cooperation among administration, faculty, and students. It conducts class elections, nominates



candidates for outstanding prizes, and plans and coordinates campus activities. It considers the problems of the student body as a whole.

The Student Senate is a representative body. The president and other officers are selected through campus-wide elections. Other members of Student Senate are delegates from the following groups: each social fraternity, each social sorority, the independent men, the independent women, the Men's Dormitory Counselors, the Women's Student Government Council, the Interfraternity Council, and the Panhellenic Council.

One of the important functions of the Student Senate is to allocate funds from the Student Chest to student organizations on campus. The fee for this fund is included in the comprehensive fee.

The Student Senate also has over-all responsibility for other functions of student government—the Honor Commission, the Student Conduct Committee, and the Men's Tribunal.

*The Honor Commission* The Honor Commission, a board of nine students and four faculty advisers, promotes and enforces the academic honor system at Gettysburg College. The nine students, who must first meet certain qualifications, are elected by the student body. All reported honor system violations are tried before this commission.

*The Student Conduct Committee* This committee handles disciplinary cases within the student body, including violations of College rules and civil laws. The committee is composed of the president and five members of Student Senate, and representatives from the Men's Dormitory Counselors, Women's Student Government Council, Interfraternity Council, and Panhellenic Council.

*The Men's Tribunal* This organization is appointed by the Student Senate to carry out freshmen customs.

#### WOMEN'S STUDENT GOVERNMENT COUNCIL

Every undergraduate woman is automatically a member of the Women's Student Government Association. Each spring the women elect class representatives to the Women's Student Government Council, the executive body of the association. This council establishes and enforces the dormitory social regulations of the women students and sponsors a variety of campus activities.

#### INTERFRATERNITY COUNCIL

The responsibility for governing the fraternity system of Gettysburg College is assumed by the Interfraternity Council, an organization com-

posed of one representative and one alternate from each social fraternity. This council formulates and administers general policies by which all the fraternities on campus abide. It also serves as a representative of the social fraternal groups to the student body, the College, and the community. During the school year it sponsors campus activities such as the IFC Ball and IFC Weekend.

#### PANHELLENIC COUNCIL

The responsibility for governing the sorority system at Gettysburg College is assumed by the Panhellenic Council, on which each social sorority is represented by an alumna and two student representatives. This Council establishes and enforces the "rushing" regulations, it functions as a governing body in all matters involving sororities and intersorority relations, and it fosters harmony between sorority and independent women.

### CULTURAL ACTIVITIES

#### LECTURES

The citizens of a college community must constantly be aware that they are living in an active, changing world, a world teeming with new ideas and new discoveries. And its citizens must not forget that this world is one which has been shaped and influenced by the past. Through its lecture program, which complements classroom study, the College brings to campus each year well-known scholars, travelers, and outstanding figures in public life. These speakers introduce students to new ideas and concepts; they awaken them to contemporary problems; they stimulate interest in historical, scientific, and political problems and research. Through its lecture series, the College hopes to extend the student's view beyond the classroom, beyond the confines of the College community.

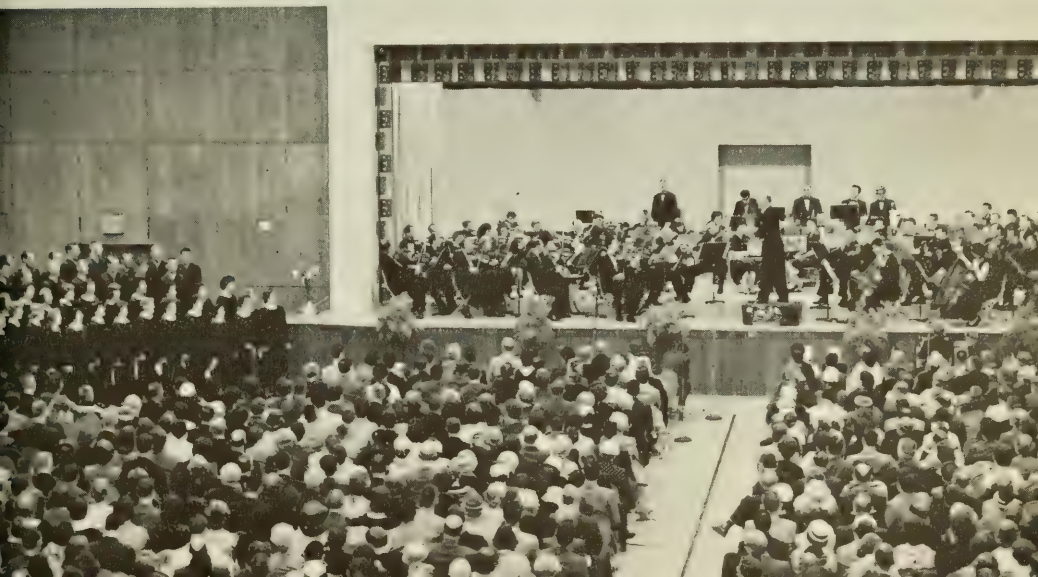
*Student Assemblies* At regular intervals, the student body assembles in the auditorium of the Student Union Building to hear a lecture by a recognized authority in some field. Eminent scientists, sociologists, philosophers, historians, and political leaders address the student body. During the 1960-1961 school year, the College with the cooperation of the Asian Society and the Ford Foundation stressed East-West relations.

*The Robert Fortenbaugh Memorial Lectures on the Civil War* In 1957, on the 125th anniversary of the founding of Gettysburg College, the College began a series of lectures on the American Civil War, known as the Civil War Conference. Because these lectures have been so en-





*Left: Dr. Clark E. Bricker, Professor of Chemistry at Princeton University and a 1939 graduate of Gettysburg College, addresses a Gettysburg assembly on "The World's Energy Needs." Right: Dr. Kirtley F. Mather, Professor of Geology Emeritus at Harvard University and 1960-61 Phi Beta Kappa Visiting Scholar at Gettysburg College, chats with students after addressing a reception for undergraduates named to the Dean's Honor List. Below: The Gettysburg College Choir and Gettysburg Symphony Orchestra present a joint concert in the College's Student Union auditorium.*



thusiastically received, the College has established them as an annual event and has dedicated them to the memory of Dr. Robert Fortenbaugh (1913), who served Gettysburg College for thirty-three years as Professor and Chairman of the Department of History. In each conference some phase of the American Civil War is chosen as the general theme. In 1957, under the direction of Allan Nevins, lectures were presented on "The Civil War—an Emergent New America." The following year David Donald organized the program around the theme: "Why the North Won the Civil War." In 1959, Lincoln Year, the conference considered "Lincoln and the Civil War" with David M. Potter serving as program director.



The conferences are held each November to coincide with the anniversary of Abraham Lincoln's visit to Gettysburg to deliver the famous address. The lectures and discussions are open to all members of the Gettysburg College community, local Gettysburg citizens, and any other interested persons.

*Stuckenberg Lectures* By the terms of a grant of \$1,000 from Mrs. Mary G. Stuckenberg in honor of her husband, The Rev. J. H. Stuckenberg, the College sponsors annually a lecture by a specialist on some phase of Sociology from the standpoint of Christian Ethics.

*Bell Lectures* A fund of \$2,000 from the estate of the Rev. Peter G. Bell (1860) was given to the College for the establishment of a lectureship on the claims of the gospel ministry on college men. The main object of this foundation is "to keep before the students of the College the demand for men of the Christian ministry and the conditions of the age qualifying that demand."

*John B. Zinn Seminars* These seminars have been established by the Chemistry Department in honor of John B. Zinn (1909), Professor of Chemistry, Emeritus. Each year men of outstanding ability in the field of Chemistry are invited to present seminars on topics of current interest to the students, faculty, and invited guests.

#### MUSICAL ACTIVITIES

Each year the College in cooperation with the Music Department and the citizens of Gettysburg brings good music to the campus community. The musical activities give an opportunity for those with special musical talent to develop that talent and to share it with others. They also provide an opportunity for those who love music to hear outstanding performances by students and musicians who have received national and international recognition. Furthermore, these musical activities provide an opportunity for all to live in an environment where good music is performed, with the hope that many who have not had the opportunity before will develop an interest in and an appreciation of music.

*The Gettysburg College Choir* The Gettysburg College Choir, under the direction of Parker B. Wagnild, has received national recognition. This choir of approximately sixty men and women appears at special services and gives concerts on campus throughout the year. Each year it makes a ten day tour, presenting concerts in churches and schools. During the 1961 tour, it gave a concert at Town Hall in New York. Audi-





tions for the College Choir are held at the beginning of each school year at which time members are selected for voice quality, trueness of ear, musical feeling, and general musical intelligence.

*Chapel Choir* The Chapel Choir, open to all students interested in singing, performs at the chapel services and at special services and concerts during the year.

*Bands* Each September during an annual band camp, tryouts are held for the Gettysburg College Marching Band and for the Concert Band. The Marching Band of sixty students plays at all football games, pep rallies, and parades. The Concert Band of forty students presents special concerts during the second semester at the College and in surrounding communities.





*Orchestra* The Gettysburg College Orchestra performs in recital and concert during the school year.

The Music Department presents voice and instrumental recitals by students and faculty members. It also sponsors music workshops for musicians of the surrounding communities and Gettysburg College students.

In cooperation with the community of Gettysburg, the College brings to campus each year artists and artist groups of international fame. All students are admitted to these programs free of charge.

#### DRAMATICS

The Owl and Nightingale Players presents dramatic productions throughout the school year. The program of dramatics not only offers interested students opportunities for acting, scenery painting, and lighting but also offers the College community good dramatic entertainment. The plays presented each year represent the Players' determination to offer a program of high caliber which provides a variety of dramatic experiences for the participating students and for the audience as well.



# 1960 Calenda

February 14-17	Religious Emphasis Week. Main speaker: Martin E. Marty, Associate Editor, <i>The Christian Century</i>
February 15	Owl and Nightingale Players. <i>The Crucible</i>
February 26	Stuckenberg Lecture. Ira De A. Reid, Professor of Sociology, Haverford College
March 4	Lecture. Kimon Friar, Poet, Scholar, and Translator, New York City
March 10	Community Concert. David Lloyd, tenor
March 11	Concert. Washington and Lee University Glee Club
March 16	Lecture. Lawton H. Smith, Oak Ridge National Laboratory
March 31	John B. Zinn Seminar. Friedrich Cramer, Technische Hochschule, Darmstadt, West Germany
April 5-6	Lectures. Paul W. Friedrich, Associate Professor of Anthropology, University of Pennsylvania
April 8	Founders' Day. W. Emerson Gentzler (1925), President, Empire City Savings Bank, New York
April 8	Concert. Gettysburg College Concert Band
April 9	Film Series. <i>The Seventh Seal</i> (Swedish)
April 12	Concert. Gettysburg College Choir and Gettysburg Symphony Orchestra
April 18	Community Concert. New York Pro Musica
May 2	Concert. Washington (D.C.) Brass Choir
May 10	Academic Honors Day. John A. Lester, Jr., Regional Chairman, The Woodrow Wilson National Fellowship Foundation
May 12	Owl and Nightingale Players. <i>Pygmalion</i>
June 5	Baccalaureate Speaker: Edward L. R. Elson, Pastor, National Presbyterian Church, Washington, D.C.
June 5	Commencement Speaker: Gabriel Hauge, Manufacturers' Trust Company, New York
September 17	Opening Convocation. John Z. Bowers (1933), Dean, University of Wisconsin Medical School
September 29	Assembly. Joseph S. Clark, U. S. Senator from Pennsylvania

# cultural Events

October 7	Assembly. Kenneth Morgan, Professor of Religion, Colgate University
October 7	Film Series. <i>Under the Roofs of Paris</i> (French) and <i>Chaplin Festival</i> (American)
October 10	Concert. Washington (D.C.) Brass Choir
October 18-30	Exhibition of drawings by American painter-print-makers: Ernest de Soto, Jack Orman, Russell Guirl, Arthur Levine
October 21	Assembly. Clark E. Bricker (1939), Professor of Chemistry, Princeton University
October 27	Stuckenberg Lecture. Raymond W. Mack, Associate Professor of Sociology, Northwestern University
November 2-5	Owl and Nightingale Players. <i>Our Town</i>
November 4	Assembly. Norris Cotton, U. S. Senator from New Hampshire
November 4	Film Series. <i>Earth</i> (Russian)
November 11	Assembly. Robert Crane, Professor of History, University of Michigan
November 17	Assembly. Norman A. Graebner, Professor of History, University of Illinois
November 17	John B. Zinn Seminar. John E. Benson, Professor of Chemistry, Pennsylvania State University
November 17-19	Robert Fortenbaugh Memorial Lectures on the Civil War. Norman A. Graebner, Don E. Fehrenbacher, Robert W. Johannsen, William E. Baringer, Avery Craven
November 18-23	Exhibition of paintings by Albert Christ-Janer, Dean of the Art School, Pratt Institute
November 22	Community Concert. Danish String Quartet
November 29	Assembly. Norman Anderson, Oak Ridge Laboratory
December 2	Film Series. <i>Camille</i> (American)
December 6	Assembly. Kirtley F. Mather, Professor Emeritus of Geology, Harvard University
December 10-11	Christmas Concert. Gettysburg College Choir and Chapel Choir



## STUDENT COMMUNICATION MEDIA

Every community needs means of keeping its members in contact with each other and with the rest of the world. On the Gettysburg campus students receive world and campus news, information, and opinions through the campus newspaper and radio station; they read ideas and opinions of their contemporaries in the College literary magazine; they receive a record of their yearly activities through the College yearbook. These media not only inform the members of the community, but they also offer them an opportunity to practice expressing their ideas effectively and to learn the practical aspects of working with newspapers, radio stations, magazines, and yearbooks.

*The Gettysburgian* The College newspaper is staffed by students. Students are responsible for editing, feature writing, news writing, layout, personnel management, subscription management, and circulation. This newspaper is published weekly and carries news, feature articles, and editorials concerning the faculty, student body, and campus activities.

*The Mercury* The campus literary magazine is published three times a year. The poems, short stories, essays, and illustrations published in *The Mercury* are contributed mostly by students, although faculty members also make contributions. The editorial staff of students encourages creative writing within the campus community.



*The Spectrum* The College yearbook records all phases of College life. The yearbook, like the other three publications, is staffed entirely by students. *The Spectrum* offers opportunities for all students interested in feature and sports writing, editing, layout, photography, typing, and advertising. A copy of *The Spectrum* is distributed to all students in the spring each year.

*The G-Book* The freshman's guide to Gettysburg College gives the new student all necessary information concerning campus rules and regulations, activities, and organizations. The Student Christian Association is responsible for this student publication.

*WWGC* The College radio station is the voice of the campus. Student managed and staffed, it broadcasts a variety of programs throughout each week from its new, fully equipped studios in the Student Union Building. WWGC is organized like a professional radio station and offers positions for announcers, disc jockeys, newscasters, engineers, music librarians, and typists, as well as jobs in production, continuity, and advertising.



## STUDENT ORGANIZATIONS AND ACTIVITIES

## HONORARY ORGANIZATIONS

A college community is primarily a community of scholars who pursue the goals of a liberal education and develop proficiency in a particular field of interest. In such a community, all scholars are honored but especially those who have achieved high academic performance. An honorary society, as the term implies, honors scholars, and membership in it also carries honor. These societies, some national and some local, all have been established to recognize individual scholastic achievement and to motivate students to achieve academic excellence. Although honorary organizations differ in their specific requirements for membership, all of them require academic competence in general plus academic excellence in one particular field.

## PHI BETA KAPPA

Phi Beta Kappa, established on the Gettysburg College campus on January 11, 1923, is the highest academic honorary fraternity. Not over ten per cent of the senior class may be elected to membership each year. Candidates for Phi Beta Kappa must be candidates for the Bachelor of Arts degree. These candidates must show promise of both intellectual and moral leadership. They must evidence a broad general culture as well as possess a distinguished academic record. Gettysburg College faculty members who are members of Phi Beta Kappa elect students to the Gettysburg College Phi Beta Kappa chapter.

NATIONAL HONORARY AND PROFESSIONAL FRATERNITIES AND  
FRATERNAL SOCIETIES

*Alpha Kappa Alpha*: society for students of Philosophy

*Alpha Psi Omega*: national society for dramatic students

*Arnold Air Society*: a military society for students excelling in Air Force ROTC

*Beta Beta Beta*: a society for students of Biology

*Delta Phi Alpha*: a German language society

*Eta Sigma Phi*: an undergraduate fraternity for students of the classics

*Kappa Delta Epsilon*: a professional Education society

*Kappa Phi Kappa*: a professional Education fraternity

*Lt. Charles Fite Company, Association of the United States Army*: military society for students in Army ROTC

- Music Educators' National Conference*: organization for music educators  
*Phi Alpha Theta*: fraternity for majors in History  
*Phi Sigma Iota*: society for students of the Romance Languages  
*Pi Delta Epsilon*: journalistic society  
*Pi Lambda Sigma*: fraternity for majors in Political Science and Economics  
*Psi Chi*: organization for students in Psychology  
*Scabbard and Blade*: military society for students in Advanced Course of Army ROTC  
*Student Pennsylvania Education Association—National Education Association*: professional organization for students planning to teach  
*Student Section, American Institute of Physics*: an association for students interested in Physics

#### LOCAL HONORARY SOCIETIES

- Gettysburg Honor Society*: a society comprised of students excelling in scholarship and extracurricular activities who, in association with the faculty, are dedicated to a superior Gettysburg College  
*Sceptical Chymists*: an organization of students in Chemistry

#### OTHER ACTIVITIES

Within the College community each student should be able to find one activity which interests him. By participating in certain chosen activities, a student is able to develop leadership qualities, to develop and express talent, and to practice working with members of a group to achieve a common goal. Some of the activities which have not been mentioned previously are:

- |                              |                                |
|------------------------------|--------------------------------|
| Alpha Phi Omega              | Government Club                |
| Booster Club                 | Independent Men                |
| Cheerleaders                 | Independent Women              |
| Chess Club                   | International Relations Club   |
| Church Vocations Fellowship  | <i>Le Cercle Français</i>      |
| Drill Teams                  | Physical Education Majors Club |
| Air Force ROTC and Army ROTC | Preministerial Association     |
| Debate Council               | Sociology Club                 |
| Gavel Club                   | Spanish Club                   |
| G-Club                       | Women's Athletic Association   |

## STUDENT UNION BUILDING

Many of the campus activities take place in the Student Union Building, commonly known as the SUB. This building fills such a variety of needs that almost every member of the campus community visits it at least several times during an average week.

On the first floor of the SUB is a snack shop and cafeteria, known on campus as the Bullet Hole. In one wing of the first floor is an auditorium which serves a variety of purposes. As an auditorium, with a seating capacity of 2,000, it is used for student assemblies, plays, concerts, and movies. With the chairs removed, it may be used as a ballroom. Here such college dances as the annual IFC Ball and the Military Ball are held. This ballroom is adaptable as a gymnasium for many of the women's physical education classes and for intramural contests. Also located on the first floor is the College Bookstore, where students may buy their textbooks, school supplies, and notions. On this floor, too, is a United States Substation Post Office, where students receive their mail in individual post office boxes. On both the first and second floors are large student lounges.

On the second floor of the building are many meeting rooms where student organizations and seminars meet. Just off the second floor lounge are four soundproof listening rooms. Students may use their own records or those available at the Union desk. Also on this floor is a barber shop. And for the convenience of commuting students the SUB is equipped with lockers.







Within the Student Union Building there are many recreational facilities such as a bowling alley equipped with automatic pin setters, a swimming pool with spectator bleachers and locker rooms for both men and women, a game room and a card room, ping pong tables, and a television room.

The student communication media have their offices here. From second floor studios WWGC broadcasts. *The Gettysburgian* and *The Spectrum* have their offices and workrooms in a special first-floor wing.

The activities which take place within the SUB are coordinated by a Student Union Board, composed of nine students, two faculty members, and the Director of the Student Union Building. Committees plan, coordinate, and publicize activities and facilities. Some of the responsibilities of the Student Union Board include offering a film subscription series which brings to the campus outstanding foreign and domestic films, planning social events, improving facilities, publicizing all events which take place within the building, publishing a student handbook which acquaints new students with the facilities available to them in the SUB, and providing hostesses and guides to conferences which meet within the Student Union Building.

## SOCIAL FRATERNITIES AND SORORITIES

On the Gettysburg College campus there are thirteen men's social fraternities and seven women's social fraternities, generally called sororities. All of these groups are nationally affiliated. These fraternal groups extend invitations for membership each fall after a "rushing" period. The fraternities are social in nature and provide an opportunity for members of the campus community to live in close association with other members of a group who have common ideals and who have pledged a common loyalty. About two-thirds of the men and women students are affiliated with fraternities. Each of these groups recognizes that the primary purpose of College is academic. Thus, each fraternal group encourages scholarship and sets certain academic standards for initiation.

*Women's Fraternities and Sororities*

Alpha Delta Pi  
Alpha Xi Delta

Chi Omega  
Delta Gamma  
Gamma Phi Beta

Phi Mu  
Sigma Kappa

*Men's Fraternities*

Alpha Chi Rho  
Alpha Tau Omega  
Kappa Delta Rho  
Lambda Chi Alpha

Phi Delta Theta  
Phi Gamma Delta  
Phi Kappa Psi  
Phi Sigma Kappa  
Sigma Alpha Epsilon

Sigma Chi  
Sigma Nu  
Tau Kappa Epsilon  
Theta Chi

## ATHLETICS

Since ancient Greece, liberal arts educators have always recognized the importance of sports and planned physical recreation, for they have realized that students should develop fit bodies as well as keen minds. On the Gettysburg College campus there is a full program of intercollegiate and intramural athletics for both men and women. It is therefore possible for all students of the College community to participate in some supervised sport. For those who display outstanding athletic skills there are the varsity teams. For those students not on varsity squads there is the opportunity to participate in the intramural program for which competitive teams are organized from the fraternities, sororities, and non-fraternity groups. Students are admitted to all athletic contests on campus by showing their College identification card.

### INTERCOLLEGIATE ATHLETICS

Gettysburg College maintains membership in the National Collegiate Athletic Association, the Eastern Collegiate Athletic Conference, and the Middle Atlantic States Athletic Conference.

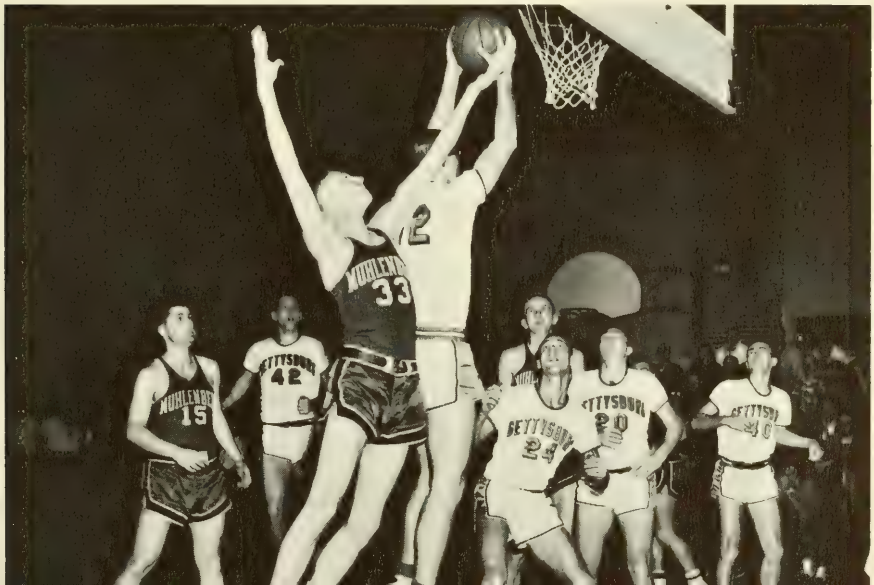
The intercollegiate program for men includes football, soccer, cross country, basketball, wrestling, swimming, baseball, track, tennis, lacrosse, and rifle teams.

The program of intercollegiate athletics for women includes field hockey and basketball.

### INTRAMURAL ATHLETICS

The men's intramural program is organized by the Health and Physical Education Department. Student representatives help plan and promote the program, which includes twelve activities: touch football, soccer, cross country, basketball, volleyball, swimming, bowling, table tennis, chess, badminton, tennis, and softball. Members of the Physical Education Club officiate at all intramural contests.

The intramural program for women is conducted by the Director of Women's Physical Education, with the assistance of representatives from the Women's Athletic Association, an organization which includes all women students. Like the men's intramural program, the women's intramural program endeavors to maintain interest in sports and to promote good sportsmanship. Field hockey, basketball, volleyball, swimming, bowling, table tennis, softball, and tennis are the planned athletic contests.





## STUDENT SERVICES

### STUDENT HEALTH SERVICE

Because the College feels that it should be informed adequately concerning the state of health of each new entrant as soon as he joins the College community, it requires each applicant for admission to submit to the Dean of Admissions a medical report from his family physician. On the College medical form parents and family physicians should include a complete medical history so that the College Medical Director will have access to accurate information before and during treatment of students.

The College maintains a Health Service for the benefit of all students. An agency of this service is a new, well-equipped College Infirmary. This Infirmary has twelve double rooms for in-patients, a two-bed isolation room, a kitchen, and treatment, examination, and consultation rooms, plus nurses' quarters. A staff of registered nurses and a full-time Medical Director provide twenty-four hour service during the school year for those students requiring medical attention.



The College Health Service entitles each student to the following:

- 1) Periodic medical examination if recommended on the medical report submitted by the family physician.
- 2) Consultation and treatment by the Medical Director.
- 3) Necessary medications.
- 4) Certain diagnostic procedures, as ordered by the Medical Director.
- 5) Infirmary care for all students. Those taking their meals in the College Dining Hall do not pay extra for meals while in the Infirmary, but those who normally eat elsewhere pay \$2 a day.

The Health Service does not provide for treatment of chronic illnesses nor for optical or dental care. Consultation with an additional physician, operations, and hospitalization are at the student's expense.

#### COUNSELING

Faculty members give their time freely to advise students concerning class work, course planning, career possibilities, and preparation for graduate school. In addition, the College provides other special counseling programs.

*Student Counseling Service* Under the direction of the Dean of Students, the Psychological Counselor, and the Clinical Consultant, a counseling service is available to help students with serious personal problems. Students may seek this counseling service voluntarily, or they may be referred to it by advisers or other faculty members.

*Developmental Reading* Gettysburg College assumes that every student has the ability to comprehend written material. However, it realizes that some students can improve their reading skills even at the college level. It therefore offers a Developmental Reading Program, which is designed to help a student improve both his reading proficiency and his study skills. Each semester a noncredit course is available in which instruction is adjusted to meet the needs of the individual student. Reading classes are held in the newly equipped reading laboratory located in Old Dorm. Students, especially freshmen, who desire improvement in these areas are encouraged to arrange for an evaluation of their reading abilities prior to enrollment in the program.

The reading programs are directed by a competent specialist. These services for the student are not included in the regular curriculum, and therefore it is necessary to charge a nominal fee. A fee of \$25 is charged for an analysis of a student's reading ability and a fee of \$25 per semester for the complete developmental program.

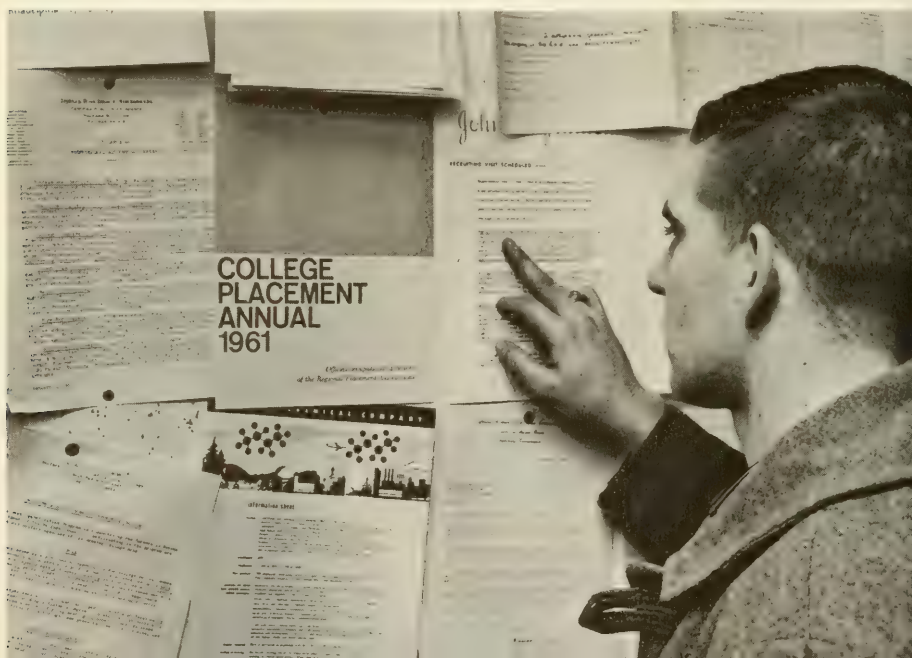
## PLACEMENT

Life for students in a college community is only a temporary one, for all students look forward to entering a graduate school, taking a position in business, or teaching. The College makes every effort to assist its students make this transition. Through placement bureaus and faculty advisers, the College helps students gain admittance to graduate schools and to find suitable jobs.

*Teacher Placement* The College maintains a free Teacher Placement Bureau to assist seniors and graduates in securing positions and to aid school officials in locating properly qualified teachers. All communications should be addressed to the Director of the Teacher Placement Bureau.

*College Placement* The College operates a general placement service for its students and alumni. The Director of Guidance and Placement, in cooperation with the Dean of Students, arranges for employment personnel of many business and industrial organizations to meet students for personal interviews. In the Office of the Director of Guidance and Placement there is a library of material on career possibilities in business and the professions. Students who wish aid in securing placement should register with the Director of Guidance and Placement early in their senior year.

*Departmental Placement* The administration and major advisers informally assist students in securing employment or placement in graduate school. The Director of Guidance and Placement has a wide selection of



graduate school catalogues for student reference. Three times a year the Graduate Record Examination is given on the Gettysburg campus for those students who plan to enter a graduate school.

### STUDENT CONDUCT

Every community has certain laws and traditions which each citizen is expected to abide by and uphold. A college community is no exception. Perhaps a college campus community, even more than others, depends upon members who are mature and have a sense of responsibility. Only in such a community of responsible citizens can there be an atmosphere established which will contribute to the liberal arts education. Consequently, the student who fails to contribute to the Gettysburg College community or who fails to promote its objectives by his support forfeits his right to continued membership in it. The College reserves the right to dismiss summarily any student whose conduct is detrimental to its welfare or whose attitude is antagonistic to the spirit of its ideals. Such an individual forfeits all fees which he has paid.

At the beginning of each school year the Dean of Students issues an official *Summary of Regulations*, a statement of many of the academic and social rules in effect in the College. Since each student is responsible for observing these rules, each should become thoroughly familiar with this statement.

Before a student decides to apply for entrance into Gettysburg College, he should be aware of some of these rules governing student conduct.

#### ALCOHOLIC BEVERAGES

The possession or use of alcoholic beverages on College property, including fraternity houses, or at College functions is prohibited.

#### AUTOMOBILES

Neither freshmen nor sophomores are permitted to have automobiles on the campus or in the community of Gettysburg. Students who are permitted to have automobiles are required to register them with the Dean of Men and obey the regulations governing their use.

#### STUDENT MARRIAGES

Any student under the age of twenty-one who plans to marry must, at least two weeks before the marriage, satisfy the Dean of Students that the parents or guardians of both parties have consented to the marriage. Students violating this rule are subject to dismissal.

### DISCIPLINARY PROBATION

Any student who is found guilty by the Student Conduct Committee of violating College rules or civil laws may be placed on disciplinary probation by the Dean of Students.

### FACILITIES

The campus of Gettysburg College is over a century and a quarter old. Pennsylvania Hall (Old Dorm) was completed in 1838 and for a time housed the President, students, classrooms, and library. The White House, completed in 1860, was the residence of the College's presidents until 1952. Stevens Hall was built in 1868 for the old preparatory department of the College. Among the other major buildings Glatfelter Hall was completed in 1889, Brua in 1890, and McKnight in 1898. Huber Hall was built in 1917. Several of these buildings, certainly not past their usefulness, have been recently remodeled to provide up-to-date academic facilities.

Four campus buildings are the product of the 1920's: Weidensall Hall (1922), Breidenbaugh Science Hall (1927), Eddie Plank Memorial Gymnasium (1927), and Schmucker Memorial Library (1929). The postwar building program began with Hanson Hall (1950) and has continued with Christ Chapel (1953), Stine Hall (1956), Dormitories B and C (1957), Emma G. Musselman and North Dormitories and the Dining Hall (1958),





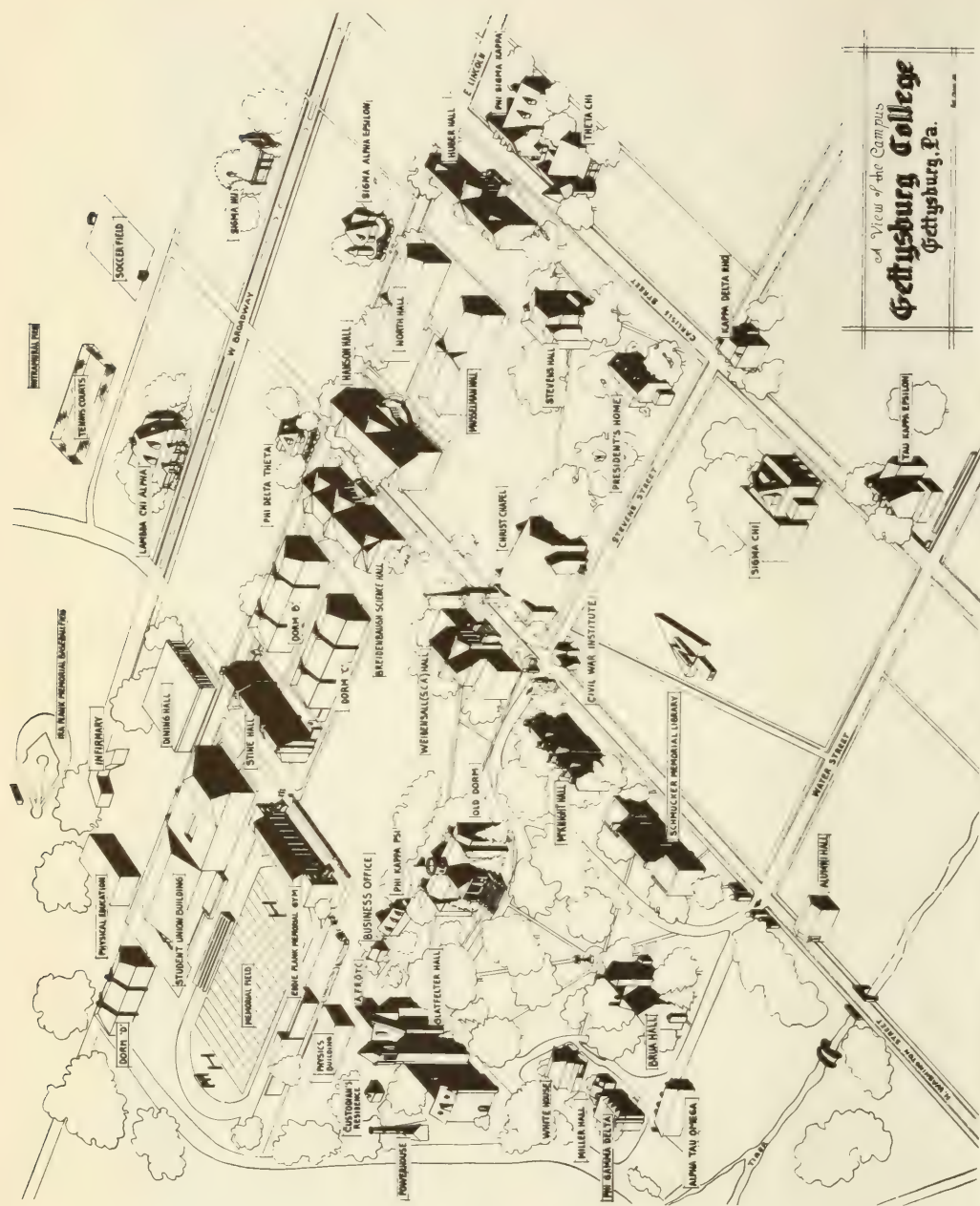


Dormitory D and the Student Union Building (1959), the Infirmary (1960), and the Physics Laboratory (1961).

Renovation and construction continue on the campus so that the College can provide the best facilities for a thriving academic community. A considerable part of the financial support for this program comes from The Woman's League of Gettysburg College. During the coming year an addition to Schmucker Library will double its capacity and a Men's Physical Education Building will be constructed. The campus itself symbolizes the aims of the College—to retain the best of the past, to provide for the present, and to plan for the future.

#### LIBRARIES

The center of Gettysburg College academic life is Schmucker Library, with nearly 100,000 volumes, 575 currently received periodicals, and a pamphlet file. An inter-library loan service operates under the American Library Association Code. The audio-visual department has a large record collection. These records may be checked out or used in the building. Within this department the student will find microfilm, microcards, and viewers. Filmstrips, slides, and tape recordings are also available.





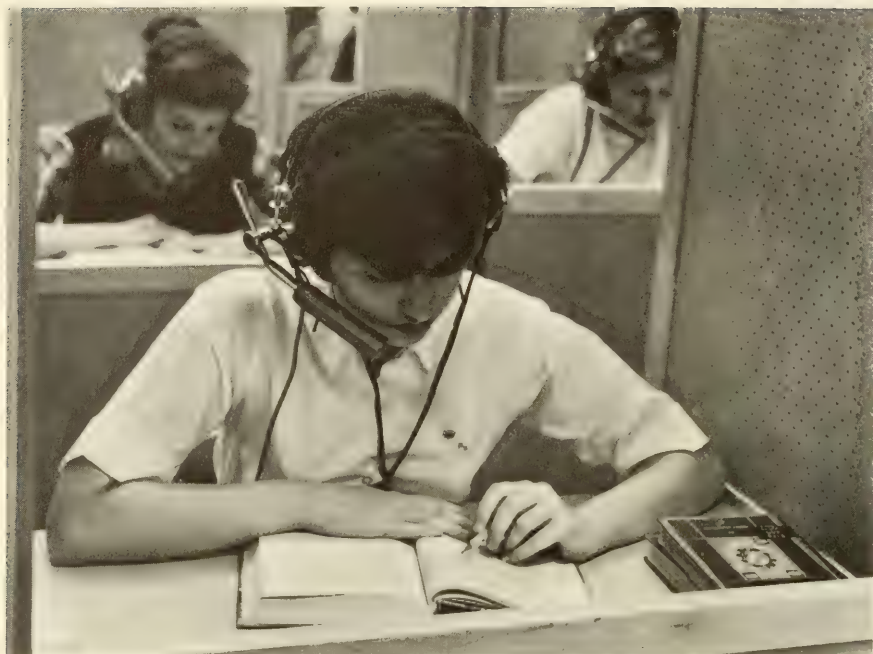
In Schmucker Library there are several special collections. The Jeremiah Zimmerman Collection contains volumes of general literature, history, and biography. The C. C. Arensberg Collection of works on Napoleon and The Henry Dravo Parkin Collection on the First World War form the nuclei of collections to which friends may add significant volumes.

The library provides room for study and research. Reading areas seat 375 persons. Most of the stacks are open to all students. Honor students and faculty members have access to the closed stacks. On the main floor is a browsing room in which current periodicals and records are shelved. There are several specialized departmental libraries: Chemistry in Breidenbaugh Science Hall, Physics in the Physics Laboratory, and Biology in Glatfelter Hall.

#### THE GETTYSBURG COLLEGE CIVIL WAR INSTITUTE

A small building houses the College's collection of American Civil War material. The College Historian also has his office in this building. The material in this collection, much of it primary source material not available elsewhere, is not limited to the Battle of Gettysburg. The Institute welcomes all Civil War scholars but also encourages Gettysburg College students to do research work here.





#### CLASSROOM BUILDINGS

Glatfelter Hall, an imposing stone building recognized by its tower and clock, remains the major classroom building on campus. McKnight Hall is the center of language study with a fully equipped language laboratory. Weidensall Hall is a classroom and office building. From Brua Hall comes the sound of music, for in this building the Music Department has its studios, classrooms, and recital hall. In the Air Science Building the Air Force ROTC detachment has its headquarters and classrooms.

In Breidenbaugh Science Hall are the lecture halls, classrooms, and laboratories of the Chemistry Department. Similar facilities are housed in the new Physics Laboratory.

The Eddie Plank Memorial Gymnasium now serves as both a gymnasium and an armory. The rifle range, offices, and other facilities of the Army ROTC department are located in this building as well as the basketball court, locker rooms, and offices of the Department of Health and Physical Education.



Near the gymnasium are three athletic fields: Memorial Field, a combination field for football and track; the Ira Plank Memorial Baseball Field devoted exclusively to intercollegiate baseball games; and an Intramural Field, which contains tennis courts, and soccer, lacrosse, softball, football, and hockey fields.

#### ADMINISTRATIVE OFFICES

The President of the College, the Personnel Deans, and the Registrar have their offices in Glatfelter Hall. The Dean of the College and the Dean of Admissions have their offices in The White House. The Business Office is centrally located on campus in a small stone building which was formerly the Sigma Chi fraternity house. The Office for Development, the Publicity Office, and the Alumni Office are located in Alumni Hall, formerly the Alpha Tau Omega fraternity house. The Guidance Department offices and the offices of the Director of the Developmental Reading Program are in Pennsylvania Hall (Old Dorm).

The President's House, formerly used as the on-campus residence of the President of the College, has recently been renovated to provide adequate office facilities for former President of the United States Dwight D. Eisenhower.

#### LIVING AND DINING FACILITIES

The women's dormitories are grouped together on the northeast corner of the College campus. Hanson Hall forms the western portion of a quadrangle of women's dormitories, while Huber Hall forms the eastern terminal. The Emma G. Musselman and North Dormitories are located between Hanson and Huber Halls and form sides of the quadrangle. Each of these units has attractive rooms for its residents, lounges and recreational rooms, and an apartment for the head resident. To the south of Huber Hall is Stevens Hall, which has recently been completely refurnished to provide comfortable accommodations.

There are also five dormitories for men. Stine Hall forms the western end of a quadrangle of buildings which includes the Breidenbaugh Science Hall and Men's Dormitories B and C. Dormitory D is located west of the Student Union Building. Each of these dormitories provides residents with attractive double rooms, a lounge, and tiled baths. A few men students have dormitory rooms in Pennsylvania Hall (Old Dorm).

Christ Chapel, the College Dining Hall, the Infirmary, and the Student Union Building are located near the living area on campus.



# Admission

ADMISSION TO Gettysburg College is becoming increasingly competitive. Although the College has expanded its facilities to provide for increasing numbers of applicants, it believes that its purposes can best be achieved if it maintains its character as a relatively small church-related school. The requirements for admission are designed to enable the College to select students who will best contribute to and benefit from such a community of learning.

## REQUIREMENTS FOR ADMISSION

The Committee on Admissions considers each applicant individually, using as its criteria of selection the following:

1) *Evidence of good moral character and acceptable social habits.* A confidential statement from the counselor, headmaster, or principal assuring the committee of these qualities and giving an estimate of the student's maturity, motivation, and intellectual curiosity is a part of the high school transcript. The College relies also on recommendations from its alumni and friends in making an estimate of the applicant's potential. A visit to the campus and a personal interview with admissions personnel is highly desirable.

2) *Evidence of academic attainment and ability.* Graduation from an approved secondary school with 16 standard units including 4 units of English, 1 of Elementary Algebra, and 1 of Plane Geometry or Intermediate Algebra is required. In addition, 2 units of Natural Science, 2 of History, and 2 of one foreign language are strongly recommended. Additional subjects may be chosen from Mathematics, Natural Science, Social Studies, and foreign language. No more than 3 units in nonacademic subjects will be accepted.

Grades in academic courses, rank in class, distribution of subjects and, where applicable, participation in accelerated, enriched, and advanced



courses, constitute an important part of the applicant's credentials. Superior facility in the use of the English language and a firm understanding of fundamental mathematical processes are essential to a fruitful college experience.

3) *Acceptable scores in the Scholastic Aptitude Tests of the College Entrance Examination Board.* The scores of any test date will be accepted, but the May test scores of the junior year are desirable for early decision candidates and the January scores of the senior year for regular decision candidates.

### ENTRANCE EXAMINATIONS

Gettysburg College requires that all candidates for admission take the Scholastic Aptitude Tests (the Morning Program) of the College Entrance Examination Board. The College strongly urges applicants to take the Achievement Tests (the Afternoon Program) in English and other subjects which the student may wish to continue in College. Although not required for admission the achievement tests are useful in the guidance program of the College and in the selection of freshmen courses.





High School principals and guidance counselors usually have complete information and application blanks for the College Board Tests. However, information brochures, application forms, and sample tests may be obtained by writing the College Entrance Examination Board, Box 592, Princeton, N. J., or Box 27896, Los Angeles 27, Cal. Scholastic Aptitude Tests, Achievement Tests, and the Writing Sample will be given on Saturdays, December 2, 1961, January 13, 1962, and March 3, 1962. The Scholastic Aptitude and Achievement Tests only will be given on Saturday, May 19, 1962, and Wednesday, August 8, 1962.

## APPLICATION FOR ADMISSION

A student desiring to enter Gettysburg College should secure an application blank from the Dean of Admissions. After filling out the third and fourth pages of that form he should ask his school to complete it and forward it to the Admissions Office.

A fee of \$10 must accompany the application. This fee is not refundable and is used to help defray the cost of processing the application. A student may present an application at any time after the completion of his junior year in high school. It should be submitted by about February 1 of his senior year.

## OFFERS OF ACCEPTANCE

### THE EARLY DECISION PLAN

Applicants with very superior qualifications may be offered acceptance upon application on the bases of the three-year secondary school record and the Scholastic Aptitude Tests taken during the junior year. These early offers of acceptance are intended primarily for those applicants who have made a decision on their college. Those qualified students who do not wish to make a final decision until after March 1 of their senior year will be considered under the regular acceptance plan. The early offer of acceptance is binding on the College only when the applicant makes a nonrefundable advance payment of \$100 to Gettysburg College.

### REGULAR OFFERS OF ACCEPTANCE

Most offers of acceptance are announced about March 1, after the applicant has presented senior College Board scores and senior midyear grades. The College reserves the right to cancel an offer of acceptance unless the candidate makes an advance payment of \$100 within fifteen days of the date of acceptance. The advance fee made to validate a *regu-*

*lar offer of acceptance is refundable up to May 1 of the student's entering year.*

### ADVANCE PAYMENTS

No refunds under either the early or regular acceptance plans can be made except through a previously made contractual agreement with the Dean of Admissions.

Of the advance payment, \$75 is credited to the first semester's bill. The remaining \$25 is held as a deposit against minor charges such as laboratory breakage. Any unused portion of this deposit is returned to the student when he graduates or leaves school.

Successful applicants for the February or June terms may be refunded the \$100 advance fee if they withdraw sixty or more days before the beginning of the term for which they are accepted.

### DORMITORY ROOM RESERVATION

Dormitory room preference is given to students in the order of the receipt of the advance payment. Since there is some difference in the desirability of dormitory rooms, it is to the student's advantage to make the advance payment promptly. No room assignment will be made until this payment has been received.

### ADMISSION WITH ADVANCED PLACEMENT

Gettysburg College participates in the Advanced Placement Program of the College Entrance Examination Board. Advanced placement or credit may be granted to students who have performed satisfactorily in college-level courses in secondary school and on the advanced placement examinations. These examinations are administered in the spring at centers announced by the College Entrance Examination Board.

Students who have completed approved accelerated programs may be considered for admission with advanced placement upon the recommendation of the secondary school.

### ADMISSION OF TRANSFER STUDENTS

A student is eligible to transfer to Gettysburg from another college only if he is entitled to an honorable dismissal without social or academic probation. A transfer student must present an official transcript from all colleges or universities attended, as well as an application form showing his high school record.

Gettysburg College requires approximately a B average in previous college work for the acceptance of transfer students. Credit is granted for individual courses passed with a grade of C or better at approved institutions, provided that these courses fit reasonably well into the Gettysburg curriculum. Academic credit for courses transferred is granted tentatively until the student has satisfactorily completed one year of work at Gettysburg College.

All transfer students must meet the requirements demanded of all members of the class into which they transfer. A student admitted as a sophomore must complete at least 90 academic hours and fulfill the sophomore requirement in physical education or military science. A student admitted as a junior must complete at least 60 academic hours at Gettysburg College. A transfer student must spend his senior year in residence completing at least 30 semester hours in order to receive a degree from Gettysburg College.

All transfer students entering as freshmen or first-semester sophomores are required to take General Education 101-102 and 201-202. All transfer students entering as second-semester sophomores or first-semester juniors are required to take General Education 201-202.

#### ADMISSION AT THE BEGINNING OF THE SECOND SEMESTER

Freshmen and transfer students may be admitted at the beginning of the second semester. Methods and requirements for admittance are the same as for entering at the beginning of the regular academic year in September.

#### ADMISSION TO THE SUMMER SESSION

Students who are candidates for degrees at Gettysburg College are eligible to register for the Summer Session.

A student who is a candidate for a degree from another college may enter the Summer Session upon certification by the Dean of that institution that the applicant is a bona fide student and that the courses taken at Gettysburg College will be accepted for credit if they are passed with certifying grades.

Others applying for admission to the Summer Session only may be accepted upon presentation of official evidence of preparation to meet the regular admissions requirements. An application form is available from the Admissions Office.





# College Expenses and Financial Aid

## COMPREHENSIVE FEE PLAN

GETTYSBURG COLLEGE operates under the comprehensive fee plan for the regular school year. The student pays a fee which covers all academic expenses except books and private lessons in music.

The comprehensive fee allows a freshman or sophomore to take from 12 to 16 credit hours each semester in addition to the basic course in Physical Education, Military Science, or Air Science. Any freshman or sophomore pursuing studies which total more than 16 credit hours per semester must pay \$30 for each credit hour above the 16 hours permitted. The comprehensive fee allows a junior or senior to take from 12 to 18 credit hours each semester. Any junior or senior pursuing studies which total more than 18 credit hours must pay \$30 for each hour above the 18 hours permitted.

Comprehensive Fee	\$1,100
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### BOARD

College Dining Hall	\$ 448
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### ROOM RENTS

#### Women's Dormitories

Cottages	\$ 200
Hanson Hall	240
Huber Hall	200
Musselman and North Halls	250
Stevens Hall	200

#### Men's Dormitories

Pennsylvania Hall (Old Dorm)	200
Stine, B, C, and D Halls	240



#### ESTIMATE OF TOTAL EXPENSE FOR THE 1961-1962 ACADEMIC YEAR

	<i>Minimum</i>	<i>Liberal</i>
Comprehensive Fee	\$1,100	\$1,100
Board	448	448
Room (dormitory)	200	250
Books and Stationery (estimated)	100	150
	<u>\$1,848</u>	<u>\$1,948</u>

This tabulation does not include laundry and personal expenses such as clothing, spending allowances, fraternity dues, and transportation.

#### PART-TIME STUDENTS

Any student who is not a candidate for a degree and who is taking a program of less than 12 semester hours is considered a part-time student, for whom the following schedule of fees is applicable:

Tuition (per semester hour)	\$32.50
Laboratory fee (per semester, each)	18.00
Library fee (per semester)	5.00
Registration fee (per semester)	5.00

#### PAYMENT OF BILLS

*All College bills are due and must be paid in full before registration each semester.* Each student will be billed for one-half of the yearly comprehensive fee, room rent, and board charge before the beginning of each semester. Checks should be made payable to Gettysburg College and sent to the Bursar, Gettysburg College, Gettysburg, Pa.

Of the advance payment of \$100 made under either the early or regular acceptance plans, \$75 is credited to the first semester bill and the re-

maining \$25 is credited to the reserve deposit. This deposit is used to pay for minor charges such as laboratory breakage, infirmary meals, and room damage.

Every student in College is required to pay a fee of \$50 at spring registration. This amount is deducted from the student's first semester College bill. No refunds will be made after July 1.

No student will be permitted to be graduated, or receive a transcript of record or statement of honorable dismissal, until all financial obligations to the College and community have been met.

## VETERANS

Gettysburg College has entered into a contract with the Veterans Administration whereby veterans attending College under the provisions of Public Law 550 (the Korean G.I. Bill) are eligible to receive monthly amounts from the Veterans Administration in accordance with the scale established by the law.

## INSURED TUITION PAYMENT PLAN

The Insured Tuition Payment Plan of Boston is a combination of a prepayment installment plan covering four years of College expenses, and an insurance policy guaranteeing payment for completion of the four years in the event of the death or total disability of the person financing the student's education. It is available to all entering students through Mr. Richard C. Knight, 38 Newbury Street, Boston 16, Mass. Parents may write directly to Mr. Knight for information and contract. The Dean of Admissions will mail a brochure of information to all new students on or before June 1 of each year.

## THE TUITION PLAN, INC.

Gettysburg College makes available to parents who find it necessary or more convenient to pay in monthly installments a source of credit, The Tuition Plan, Inc., of One Park Avenue, New York 16, N. Y. This plan is a lending agency and should not be confused with the Insured Tuition Plan. Through the Tuition Plan, Inc., contracts may be negotiated covering one, two, three, or four years' College expenses with payments spread over eight, twenty, thirty, or forty months respectively, with the multiple-year plan including the benefits of Parent Life Insurance. Information describing this plan will be mailed to all students during the summer months.

## BOARD AND HOUSING ACCOMMODATIONS

All women students, except those living at home, and all entering freshmen are required to take their meals in the College Dining Hall. Fraternity pledges are permitted to eat the evening meal and the noon meal on Sunday in their fraternity houses.

All women students, all freshman men, and, as long as there is space available, all sophomore men are required to live in College dormitories, exceptions being made only for married students and those students living at home. Sophomores and juniors permitted to live off campus are subject to recall to a College dormitory at the end of any semester.

The College provides a single bed, a mattress, a dresser, a study desk, and a chair for each student. Pillows, linens, blankets, study lamps, draperies, and other accessories must be furnished by the student. A reputable laundry provides linen rental and service. Pictures and other decorations may be suspended only from the picture rails.

## REFUNDS

No refunds of the comprehensive fee will be made after the first week of any semester except where a student has had to withdraw because of serious illness or call by Selective Service, in which case the fee will be refunded on a proportionate basis.

No refund of the board fee may be made unless authorized by the Business Manager.

Room charges are refundable only if a student leaves College because of serious illness, or call by Selective Service, or finds a replacement who is willing to assume the remaining charge.

## TRANSCRIPTS

Each student is permitted one free transcript of his full record upon graduation or withdrawal from College. Anyone desiring more than one must send his request to the Registrar and enclose payment of \$1 for each additional transcript requested.

## COLLEGE BOOKSTORE

The Bookstore in the Student Union Building is operated by the College for the convenience of the students. Since it is operated on a cash basis, all students should be provided with \$50 to \$75 in cash each semester to purchase the necessary books and supplies.





## Financial Aid

In granting financial aid to students, the faculty Committee on Scholarships and Financial Aid is governed primarily by character, need for assistance, and academic ability. Because the fundamental purpose of granting aid is to assist worthy students who otherwise could not attend College except by undue sacrifice on the part of the parents, the principal emphasis in a grant is on the need of the applicant.

Some preference is given where two or more children from the same family are attending Gettysburg College simultaneously. Upon application, the children of United Lutheran Church in America clergymen may be granted a discount in tuition.

Gettysburg College uses the scholarship services of the College Entrance Examination Board. All new applicants for aid should secure a College Scholarship Service form from their high school counselor. The Board forwards the financial information to the schools to which the applicant is applying for a grant-in-aid.

All new students who seek aid should present applications at an early date. Students who have had a previous grant should secure a renewal blank from the Dean of Students and return it before April 1.

### CONDITIONS OF A GRANT-IN-AID

- 1) Grants are awarded for one year at a time. Ordinarily they are renewable upon application if the original conditions continue.
- 2) Financial aid is never granted to a student for more than eight semesters. There are no grants available during a Summer Session.
- 3) Generally, no aid is granted to married students. If a student receiving aid is married while in College, aid is terminated at the end of the semester in which the marriage occurs.
- 4) A student receiving financial aid may not own an automobile and may not operate or maintain an automobile in the College community.
- 5) A student placed on disciplinary probation, convicted of an honor code violation, or guilty of violating the rule governing automobiles, loses his aid immediately. He will be eligible to apply for reinstatement of his aid the next semester.
- 6) A student suspended from the College for disciplinary reasons, honor code violation, or poor scholarship will not be eligible, upon his return, to receive aid for a period of one semester.
- 7) A freshman who is placed on academic probation for two successive semesters is deprived of his aid. Other students placed on academic probation lose their aid immediately. Students may apply for reinstatement of aid when they are removed from probation.
- 8) Financial aid may be awarded in varying amounts, but in no case does a free grant exceed \$800 or the combination of free grant and loan exceed \$1,000.
- 9) All grants are applied as a credit on the College bill.

### TYPES OF AID

The following types of financial aid are available to students. All of them are granted by the Committee on Scholarships and Financial Aid under the conditions explained in the preceding section.

- 1) *College Loans* College loans are interest free until the student has been out of College for one month, after which interest is charged on the remaining indebtedness at the rate of 3 per cent per year. The interest and principal shall be paid in not more than six annual payments, beginning one year after the student leaves College. Interest charges and payments on the principal may be deferred for those attending graduate

school. After a loan has been granted, the College Business Manager is in charge of administering all financial details.

2) *Government Loans under the National Defense Education Act of 1958* To be eligible for these loans, students must be United States nationals with superior academic backgrounds. Preference is given to students who are preparing to teach in elementary or secondary schools or who show a superior capacity in science, mathematics, or a modern foreign language. The maximum amount of a loan in any one year is \$1,000, and the total available to any student for undergraduate and graduate study is \$5,000.

Interest at the rate of 3 per cent per year is charged on any unpaid balance, beginning one year after the borrower ceases to be a full-time student. Repayment of the principal and accrued interest shall be made within a period not to exceed ten years. Any borrower who serves as a full-time teacher in the public schools may have 10 per cent of the loan cancelled for each year of such service until the total cancellation amounts to 50 per cent of the loan.

After a loan has been granted, the College Business Manager is in charge of administering all financial details.

3) *Free Grants-in-Aid* Each year the College reserves a certain amount of money to assist worthy students. New students should apply for these grants, since they rarely can meet the special conditions of the Endowed Scholarships.

4) *Competitive Honor Scholarships* The College grants awards to six men and three women students who are designated Competitive Honor Scholars. Honor Scholars are selected on the bases of their secondary school record (with emphasis on academic achievement), strong moral character, contribution to the high school community program, and Scholastic Aptitude Test results of the College Entrance Examination Board. To be considered for these awards the student must take the Scholastic Aptitude Tests no later than February.

Based primarily upon the financial needs of the recipient, the award ranges from \$100 to \$800 annually. In order to receive more than the \$100 annual grant, the Honor Scholar must establish financial need by presenting the scholarship form of the College Scholarship Service.

5) *Endowed Scholarships* Funds have been provided for the award of scholarships under the conditions specified in the grants described below.

## ENDOWED SCHOLARSHIPS

*Dr. Joseph B. Baker (1901) and Rena L. Baker Scholarship* The income from \$2,500 donated by the Woman's League of Gettysburg College is given each year to a needy and deserving student in the Music Department to provide for special lessons in that department.

*Dr. Ray Alfred Barnard (1915) Scholarship* The income from \$1,750 is given each year to a male student preparing for the Lutheran ministry who is a member of the Central Pennsylvania Synod.

*The Rev. Sydney E. Bateman (1887) Scholarship* The income from \$500 is awarded each year to a needy student preparing for the ministry.

*The Belt-Hess-Quay Scholarship* The income from \$9,250, established in commemoration of Charles W. Hess (1898), J. Hess Belt (1930), Margaret S. Belt, Paul W. Quay (1915), and Effie E. Hess Belt (1898), is awarded as follows: first preference is given to a member of Grace Lutheran Church, Westminster, Md.; second preference to any other resident of Carroll County, Md. who is pursuing theological studies at the College; and third preference is given to any deserving student.

*Jesse E. Benner (1907) and Minerva B. Benner Scholarship* The income from \$10,000 is used to aid worthy students in financial need, preferably, but not necessarily, those studying for the ministry.

*The Burton F. Blough Scholarship* The income from \$5,000, contributed by a former trustee, is used to aid needy and deserving students.

*Class of 1913 Scholarship* The income from \$6,830 is given each year to a needy and deserving student.

*Class of 1916 Scholarship* The income from \$1,000 is given to a needy and deserving sophomore.

*Class of 1918 Scholarship* The income from \$13,131 is available each year for a needy and deserving student or students.

*Jacob C. Eisenhart and Rosa Bott Eisenhart Scholarship* The income from \$6,500, established by the J. C. Eisenhart Wall Paper Company, is available each year for deserving students preparing to become Lutheran missionaries or planning to attend a Lutheran seminary.

*Clarence A. Eyler (1880) and Myrtle B. Eyler Scholarship* The income from \$5,000 is given each year to a deserving student.

*Dr. Daniel F. Garland (1888) Scholarship* The income from \$500 is given each year to deserving students preparing for the Lutheran ministry.

*Ida E. Grover Scholarship* The income from \$8,630 is available annually to a deserving student in need of financial assistance.

*Hon. Hiram H. Keller (1901) Scholarship* The income from \$15,000, bequeathed by Mr. Keller, a former trustee, is granted to a student on the basis of need and academic qualification. Preference is given to applicants from Bucks County, Pa.

*The Rev. H. J. H. Lemcke (1860) Memorial Scholarship* The income from



\$11,000, given by Ruth Evangeline Lemcke in memory of her father, is available to assist worthy students who are graduates of Pennsylvania secondary schools.

*Charles B. McCollough, Jr., (1946) Memorial Scholarships* The income from \$17,143, provided by Charles B. McCollough (1916) and Florence McCollough in memory of their son and by H. B. Earhart in memory of his grand nephew, is awarded annually to two men and two women students on the basis of character, need, and ability.

*Dr. John E. Meisenhelder (1897) Scholarship* The income from \$7,785 is awarded annually to a deserving student.

*J. Elsie Miller Scholarship* The income from \$5,000 is available each year for deserving students preparing for the Lutheran ministry.

*Miller-Dewey Scholarship* The income from \$10,000, contributed by the Rev. Adam B. Miller (1873), is available to deserving students, first preference being given to graduates of the Tressler Lutheran Home for Children.

*C. H. Musselman Company Scholarship* A grant of \$1,000 per year for four years made possible by The Musselman Foundation is available to a qualified student. If more than one applicant meets the general qualifications, preference is given to the applicant, if any, who has selected (or signifies an intention of selecting) Chemistry or Business Administration as the major course of study.

*Nellie Oller and Bernard Oller Memorial Scholarship* The income from \$5,000, given by Ida R. Gray, is awarded each year to a deserving student, preference being given to students from Waynesboro, Pa.

*Lovina Openlander Scholarship* The income from \$3,000 is given in the amount of \$50 each to students in need of financial assistance to continue their college work.

*Edgar Fahs Smith (1874) Memorial Scholarship* The income from a fund established by Margie A. Smith will be used to assist deserving students specializing in Chemistry. Under the terms of the bequest, this scholarship is being held in abeyance to allow the principal to grow.

*The Rev. Milton H. Stine (1877) and Mary J. Stine Memorial Scholarships* Three \$100 scholarships, made possible by Dr. Charles M. A. Stine (1901) in memory of his parents, are awarded each year to students preparing for the Christian ministry.

*Rufus B. Weaver (1862) Scholarship* The income from approximately \$20,000, given by Mrs. Rufus B. Weaver, is awarded to deserving students.

*Senator George L. Wellington Scholarship* The income from \$5,000 is awarded each year to a deserving student.

*The Jeremiah A. Winter and Annie C. Winter Memorial Scholarship* The income from \$4,000, contributed by Amelia C. Winter in memory of her parents, is given each year to a needy and deserving student.

*York-Shipley Scholarship* The sum of \$575 each year for four years, made possible by York-Shipley, Inc., York, Pa., is awarded to an outstanding male student, preferably from York County, who plans to major in Business Administration. The criteria for the award are academic achievement and citizenship.

## OTHER AID FOR STUDENTS

Loans are available to members of the senior class from the *Alumni Loan Fund*, established by the Alumni Association and augmented by individual contributions. Applicants need at least one approved endorser of their note. The loan is interest free until one year after the borrower's class has been graduated, after which it bears interest at the rate of 6 per cent per year.

*Frank D. Baker Scholarship* The sum of \$300 is available annually to aid students in immediate need of financial assistance. This fund is administered by the President of the College.

The Daughters of Union Veterans of the Civil War has established a *Grand Army of the Republic Living Memorial Scholarship Fund* of \$2,000 from which loans may be obtained.

Mr. and Mrs. C. J. Kirschner have established *The Alvan Ray Kirschner Scholarship Fund*, in memory of their son who lost his life in World War I. The income from \$10,000 is awarded to two students, preference being given to applicants from Hazleton and vicinity. Application for these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pa.

The St. James Lutheran Church of Stewart Manor, Long Island, has established *The Rev. Edward I. Morecraft (1924) Memorial Loan Scholarship Fund* in memory of its late pastor. Amounting to \$1,000, this fund is used to assist worthy students under the same conditions as the Alumni Loan Fund.

The income from \$5,000 given to the College by the *Parent Education Society of the Evangelical Lutheran Church in the United States* provides ten scholarship loans each year in the amount of \$20 each. These loans may be granted to one or more persons selected by the President of the College and the President of the Lutheran Theological Seminary, Gettysburg. The persons selected must be bona fide students for the ministry and meet all the requirements for scholarship recipients. The loan will be cancelled if the recipient serves two continuous years in the ministry.

Dr. E. Lloyd Rothfuss (1916) has contributed \$6,000 as the *Charles H. Rothfuss and Martha Huffman Rothfuss Loan Scholarship Fund* in memory of his parents. This fund is administered under the same terms as the Alumni Loan Fund.

*The Parker B. Wagnild Music Scholarship* The income from \$3,700, contributed by alumni and friends of the Gettysburg College Choir, is given each year to a needy and deserving student in the Music Department.

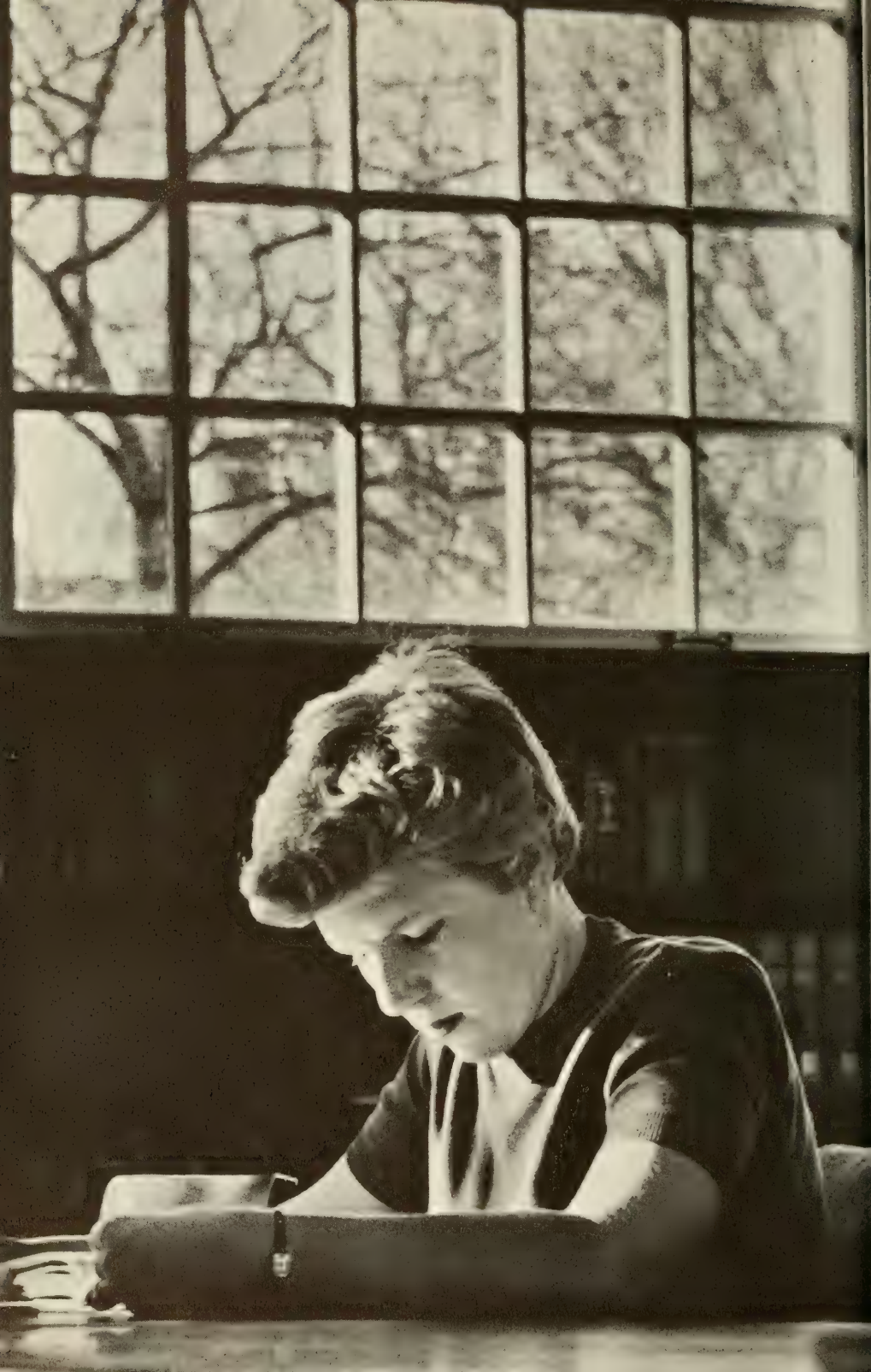
The Synod of West Virginia of the United Lutheran Church in America has made available two *Synod of West Virginia Scholarships* of \$500 each to entering freshmen who are active members of congregations of the synod and who have stood in the upper third of their high school class. Applications for these scholarships should be sent to the chairman of the synodical committee which awards them: the Rev. John Heller, Chairman, Christian Education and Youth Work Committee, 834 Greenbrier Street, St. Albans, W. Va.

The College is prepared to grant work opportunities to a limited number of deserving students. A work opportunity is a guarantee that there will be available enough work on the campus for the recipient to earn a sum equal to the amount promised. Upperclassmen seeking employment should apply to the Dean of Students. In addition, two or three students may earn substantial sums collecting and distributing room linens serviced by the Gordon-Davis Linen Supply Company.

Each year some students take part-time work in the community. The College assists some students in work placement but takes no direct responsibility in the matter.









# Academic Regulations and Honors

A COMPILATION of many of the more detailed academic rules of the College is to be found in the *Summary of Regulations* issued annually by the Dean of Students and available to all students.

## THE HONOR SYSTEM

An academic honor system was instituted at Gettysburg College in the fall of 1957. It is based upon the belief that undergraduates can be mature enough to act honorably in academic matters without faculty surveillance and that they should be encouraged to conduct themselves accordingly. At the same time the College clearly recognizes the obligation placed upon each student to assist in maintaining the atmosphere without which no honor system can succeed.

No student is admitted to Gettysburg College without first having signed a pledge promising to uphold the rules governing the honor system. Freshmen receive detailed information regarding these rules during the summer before they enroll. Needless to say, a person who would sign the pledge with mental reservation should not apply for admission.

Alleged violations of the honor code are handled by an Honor Commission elected by the students.

## REGISTRATION

No credit will be given in courses for which the student is not officially registered. The Registrar announces in advance the time and place of formal registrations. Late registrants are penalized by a fine of \$5 unless excused in advance by the Committee on Academic Standing.

## CLASS ATTENDANCE

Regular attendance at all classes for which he is registered is the responsibility of the student. Each student is accountable for all work missed

because of class absence. Instructors are under no obligation to make special arrangements for students who are absent without official excuse. When absence from class becomes a factor in a student's unsatisfactory work, the instructor reports this to the Dean of Students for remedial action. If a student incurs other absences after being warned, he may be required to withdraw from the course with a failing grade.

All students are required to attend the last meeting of each of their courses before a vacation period and the first meeting of each following a vacation period.

### ATTENDANCE AT ASSEMBLY

College assemblies are held regularly in the Student Union Building when distinguished speakers visit the campus to address the student body. These assemblies are an integral part of the academic program, and attendance at a specified number of them is required of all students.

### CREDIT FOR YEAR COURSES

No credit will be given for one semester of a year course except with the permission of the department concerned.

### TRANSFER CREDIT

No credit will be given for courses taken by regular students in other colleges during the summer unless such courses have first been approved by the head of the department concerned and by the Dean of the College or the Dean of Students. Semester hour credit may be transferred if the grade earned in such courses is a C or better, but grades themselves are never transferred.

### ACADEMIC STANDING

The Committee on Academic Standing reviews student records at the end of each semester. When a student's record is found to be unsatisfactory or when he is failing to make satisfactory progress toward graduation, he may be warned, placed on academic probation, advised to withdraw, or required to withdraw. A student on probation must show satisfactory improvement during the following semester or he may be required to withdraw.

A student with above-average aptitude who is not achieving beyond the minimum standard may be required to absent himself from the College for a semester or a year.



## REINSTATEMENT

A student required to withdraw from the College for academic reasons may be reinstated only upon petition to the Committee on Academic Standing and with the concurrence of the faculty. In making its recommendation to the faculty, the committee will be guided by the student's previous College record and by what he has done since he withdrew.

A student suspended or required to withdraw for disciplinary reasons may be reinstated only by petition to the Dean of Students.

## THE GRADING SYSTEM

The following grading system is in effect: A (excellent); B (good); C (fair); D (unsatisfactory); F (failing); I (incomplete); W (withdrew without penalty); WP (withdrew passing); and WF (withdrew failing). Instructors may modify their letter grades with plus and minus signs. These are placed on the student's permanent record and reproduced on all transcripts, but they are disregarded except in certain computations for honors.

In successfully completing a course a student also earns a number of quality points. The following quality-point system is official: A+,  $4\frac{1}{3}$ ; A, 4; A-,  $3\frac{2}{3}$ ; B+,  $3\frac{1}{3}$ ; B, 3; B-,  $2\frac{2}{3}$ ; C+,  $2\frac{1}{3}$ ; C, 2; C-,  $1\frac{2}{3}$ ; D+,  $1\frac{1}{3}$ ; D, 1; D-,  $\frac{2}{3}$ ; and F, 0. The graduation requirement that a student must have at least a C average is interpreted to mean that he must earn at least twice as many quality points as there are hours required for his graduation.

An F remains on the permanent record and is reproduced on all transcripts. No student may repeat an elective course which he has failed without the consent of the department concerned.

An I is used only when emergency situations, such as illness, prevent a student from completing the course requirements on time. An I not removed within the first six weeks of the semester following the one in which it was incurred becomes an F unless the Committee on Academic Standing extends the time limit.

A student who withdraws from a course during the first three weeks of a semester receives a W. After the first three weeks he receives a WP if he was passing the course when he withdrew, or a WF if he was failing it. A student who withdraws from a course during the last five weeks of a term will receive a WF regardless of his standing in the course at the time.

### SENIOR HONORS

The following honors are awarded at the close of each academic year to members of the graduating class:

- 1) *Valedictorian*, to the senior with the highest academic average during his last three years and who has passed the senior comprehensive examination with highest honors;
- 2) *Salutatorian*, to the senior with the second highest academic average during his last three years and who has passed the senior comprehensive examination with highest honors;
- 3) *Summa cum laude*, to those seniors who have a four-year quality point average of 3.75 or higher and who have passed the senior comprehensive examination with highest honors;
- 4) *Magna cum laude*, to those seniors who have a four-year quality point average of 3.5 or higher and who have passed the senior comprehensive examination with honor or better; and
- 5) *Cum laude*, to those seniors who have a four-year quality point average of 3.33 or higher and who have passed the senior comprehensive examination with honor or better.

These honors are intended for students with four years of residence at Gettysburg College. However, the Committee on Academic Standing may grant the honors of *summa cum laude*, *magna cum laude*, or *cum laude* to transfer students who have satisfied the conditions of the honor during at least four semesters of residence at Gettysburg College and who have presented excellent transfer grades.





In addition to the above, *Departmental Highest Honors* are awarded, upon recommendation of the major department, to those seniors who have a quality point average of 3.75 or higher in their major subject during their last three years, who have presented a satisfactory thesis or its equivalent, and who have passed the senior comprehensive examination with highest honors.

Upon recommendation of the major department, *Departmental Honors* are awarded to those seniors who have a quality point average of 3.5 or higher in their major subject during their last three years and who have passed the senior comprehensive examination with honor or better.

A transfer student with at least four semesters of residence at Gettysburg College is eligible for *Departmental Highest Honors* or *Departmental Honors* on the basis of grades attained at the College if he meets all other requirements.

## OTHER HONORS

*Highest Class Honors* are awarded at the close of each academic year to those students who have attained the grade of A in all their courses during the year. At the same time, *Class Honors* are awarded to those who have attained the grade of A in at least half of their courses during the year and who have no grades below B.

The names of those students who attain a quality point average of 3.5 or higher in any semester are placed on the *Dean's Honor List* in recognition of their academic attainments.

## PRIZES AND AWARDS

The following prizes are awarded at the close of each academic year for outstanding scholarship and achievement:

*Baum Mathematical Prize* The income from \$500, contributed by Dr. Charles Baum (1874), is given to the sophomore showing the greatest proficiency in Mathematics.

*The Charles W. Beacham Athletic Award* The Student Christian Association presents a cup in memory of Charles W. Beacham (1925), the first alumni secretary of the College. Based on Christian character, scholarship, and athletic achievement, the award is given to a senior.

*Beta Beta Beta Junior Award* The sum of \$10 is given to the junior Biology major who is an active member of Beta Beta Beta and who has shown outstanding proficiency in the biological sciences during five semesters of college work. The award is based on interest, attitude, character, and scholarship.

*Beta Beta Beta Provisional Award* The sum of \$10 is given to the Biology major who has become a provisional member of Beta Beta Beta during the year and who has shown outstanding proficiency in the biological sciences during three semesters of college work. This award is also based on interest, attitude, character, scholarship, and on the arrangement of a display.

*Chi Omega Social Science Award* The sum of \$25 is given by Chi Omega to the junior or senior girl excelling in the social sciences. The award is sponsored by the national fraternity on every campus which has an active chapter.

*The Class of 1909 Chemistry Award* The income from \$5,000, contributed by the Class of 1909 on the fiftieth anniversary of its graduation, is awarded to a sophomore Chemistry major and is to be applied to the expenses of his junior year. The conditions under which the award is given will be explained to each student majoring in Chemistry at the beginning of the sophomore year.

*Delta Gamma Alumnae Association Award* The sum of \$25 is given to the junior girl who has made the greatest contribution to the College.

*Delta Phi Alpha Prize* A valuable book on German culture is awarded to the outstanding student for the year in the German Department.

*Anthony di Palma Memorial Award* Under the auspices of the father of Anthony di Palma (1956), a medal is presented to the junior having the highest marks in History. Other things being equal, preference is given to a member of the Sigma Chi fraternity.

*The Malcolm R. Dougherty Mathematical Award* The income from \$1,000, contributed by the Columbian Cutlery Company, Reading, Pa., in memory of Malcolm R. Dougherty (1942), is awarded to a freshman showing proficiency in Mathematics and working to earn part of his college expenses.

*Margaret E. Fisher Memorial Scholarship Award* The income from \$8,600, contributed by Dr. Nelson F. Fisher (1918) in memory of his mother, is awarded to a student who excels in one or more major sports and who achieves the highest academic average among winners of varsity letters.

*Samuel Garver Greek Prize* The income from \$500, contributed by the Rev. Austin S. Garver (1869) in memory of his father, is awarded to the student who has made the greatest progress in Greek during his freshman year.

*Samuel Garver Latin Prize* The income from \$500, contributed by the Rev. Austin S. Garver (1869) in memory of his father, is awarded to the student who has made the greatest progress in Latin during his freshman year.

*Graeff English Prize* The income from \$500, given by John E. Graeff (1843), is awarded to the senior writing the best English essay on an assigned subject.

*John Alfred Hamme Award* Three awards of \$100 each, established by John Alfred Hamme (1918), are given to the three juniors who have demonstrated in the highest degree the qualities of loyalty, kindness, courtesy, true democracy, and leadership.

*The Henry W. A. Hanson Scholarship Foundation Award* The income from \$9,000, established by the College Trustees in honor of Henry W. A. Hanson and in recognition of his leadership of and distinguished service to Gettysburg College and to the cause of education in the Lutheran Church and the nation, is awarded to a senior who plans to enter graduate school in preparation for college teaching. The student must have taken the Graduate Record Examination. If the senior chosen cannot accept, the next qualified candidate is eligible, and if no member of the senior class is chosen, a committee may select a member of a previous class.

*Hassler Latin Prize* The income from \$500, contributed by Charles W. Hassler, is awarded to the best Latin student in the junior class.

*Frank H. Kramer Award* The sum of \$25 is given by Phi Delta Theta fraternity, in honor of the Professor of Education, Emeritus, to a senior for the excellence of his work in the Department of Education.

*The Rev. George N. Lauffer (1899) and M. Naomi Lauffer (1898) Scholarship Award* The income from \$4,000 is given each year to a junior who has maintained high scholarship and evidences outstanding ability and Christian character. It is understood that the recipient will complete the senior year at Gettysburg College.

*Lutheran Brotherhood Scholarship Awards* Three awards of \$300 each, established by the Lutheran Brotherhood Life Insurance Society, are awarded to juniors who are Lutherans and who qualify by reason of religious leadership, academic ability, and other characteristics.

*Military Memorial Prize* The income from \$500, contributed by alumni and friends of the College, is awarded on an equal basis to the two students, one in Military Science and one in Air Science, who have attained the highest standing in either the first or second year of the advanced course of the Reserve Officers' Training Corps.

*Franklin Moore Award* The income from \$6,500, contributed by the friends of Mr. Moore, is given to the senior who, during his or her undergraduate years, has shown the highest degree of good citizenship and by character, industry, en-



terprise, initiative, and activities has contributed the most toward campus morale and the prestige of the College.

*Muhlenberg Freshman Prize* The income from \$500, given by Dr. Frederick A. Muhlenberg (1836), is awarded to the freshman taking Greek or Latin who attains the highest general quality point average.

*William F. Muhlenberg Award* The income from \$850 is awarded to a junior on the bases of character, scholarship, and proficiency in campus activities.

*Nicholas Bible Prize* The income from \$500, contributed by the Rev. Dr. J. C. Nicholas (1894), is awarded to the senior who has done the best work in advanced courses in Biblical Literature and Religion.

*Clair B. Noerr Memorial Award* An inscribed medal, established by Constance Noerr (1958) in memory of her father, is awarded to a senior woman on the basis of proficiency in athletics, scholarship, and Christian character.

*William H. Patrick (1916) Award* The sum of \$25 is awarded to the student who has demonstrated a distinct proficiency in public speaking, in both class and public appearances.

*Phi Sigma Iota Prize* The sums of \$5 and \$2.50 are given to the two members presenting the best papers to the fraternity.

*Presser Foundation Scholarship Awards* The sum of \$400 is awarded annually to one or more students in the Department of Music who, in the opinion of the Music staff, show superior promise in the field, preference being given to those intending to major in Music Education.

*Psi Chi Award* The sum of \$25 is awarded to the senior Psychology major who, in the opinion of the department, has best shown and is most likely to continue to show promise in the field of psychological endeavor. Other things being equal, preference is given to a member of Psi Chi.

*Sceptical Chymists Prize* To encourage the presentation of meritorious talks, the sum of \$10 is awarded by the organization to the member or pledge who delivers the best talk before the Sceptical Chymists during the year.

*Stine Chemistry Prize* The income from \$1,000, contributed by Dr. Charles M. A. Stine (1901), is awarded to a senior Chemistry major on the basis of his grades in Chemistry, laboratory technique, personality, general improvement in four years, and proficiency in Chemistry at the time of selection.

*Dr. George W. Stoner Award* The income from \$10,000 is awarded to a worthy male senior accepted by a recognized medical college.

*Weaver-Bittinger Classical Scholarship Award* Part of the income from a fund established by Rufus M. Weaver (1907) is awarded to a student who maintains an above-average standing in Latin or Greek; German, French, Spanish, or Italian; and the sciences. This award is made under conditions specified by the donor.

*Rufus M. Weaver Mathematical Scholarship Award* Part of the income from a fund established by Rufus M. Weaver (1907) is awarded to a male student majoring in Mathematics who has maintained an above-average standing in



Mathematics, a science, a foreign language, and English. This award is made under conditions specified by the donor.

*Samuel P. Weaver Scholarship Foundation Prizes* Sums of \$50 and \$25, established by Samuel P. Weaver (1904), are awarded to the two students writing the best essays on an assigned topic in the field of constitutional law and government.

*Edwin and Leander M. Zimmerman Senior Prize* The income from \$1,000 is given to the senior whose character, influence on students, and scholarship have contributed most to the welfare of the College.

Grades earned in required courses in physical education or military science are not considered in computations for honors, prizes, or awards. Transfer students are not eligible for prizes and awards.





# Courses of Instruction

COURSES NUMBERED in the 100's are planned primarily for freshmen, those in the 200's primarily for sophomores, and those in the 300's primarily for juniors and seniors. Courses in the 400's are elected normally by seniors and require individual study, research, and participation in seminars.

Odd-numbered courses are given in the first semester and even-numbered courses in the second semester. Term courses which are offered both semesters are identified in the course description. Year courses are indicated by an odd and an even number, joined together by a comma or a hyphen. Year courses in which successful completion of the first semester is a prerequisite for the second semester are indicated by a hyphen between the numbers (for example, 101-102). Year courses in which the second semester may be taken without the first are indicated by a comma (for example, 101, 102).

Unless otherwise stated in the course description, the number of hours a course meets each week is the same as the number of hours credit per semester. For example, semester courses carrying three hours credit, and similarly year courses carrying six hours credit, normally meet three hours each week.

The College reserves the right to withdraw any course for which there is insufficient enrollment. A dagger (†) after the name of a course identifies courses that will not be offered in 1961-1962, but which are listed to help the student in planning his future program. It is expected that these courses will be offered in 1962-1963.

The Dean of the College issues an annual Announcement of Courses which lists the time and place of each class. Students should consult this supplement at the time of registration.

## General Education Courses

In view of the growing complexity of our civilization and our increasing awareness of individual responsibility, it has become apparent that premature specialization and the departmental isolation of students and teachers are no longer either ethically defensible or socially practicable. An education valid for our world must find its basis in an integrated understanding of man in his essential roles: living creature in the natural universe, inheritor of a rich and significant past, participant in human institutions, and discoverer and creator of patterns and values which give meaning to human existence. Similarly, the wise choice of a vocation and adequate training in its special techniques must be based upon an inclusive knowledge of the chief fields of human endeavor and some appreciation of the special potentialities and obligations of the various callings.

In an attempt to provide such foundations for its students, the College has established the following general courses, the first two of which are required of all candidates for the Bachelor of Arts degree.

### 101-102 INTRODUCTION TO CONTEMPORARY CIVILIZATION

Mrs. Douglas; Miss Harned; Messrs. Alexander, J. Bachman, Bloom, Boenau, Bugbee, Coulter, Crapster, Johnson, Loose, Moore, Richardson, Schubart, Sulouff, Trone, and Zagars.

A general education course introducing the student to the backgrounds of contemporary social problems through the major concepts, ideals, hopes, and motivations of Western culture since the Middle Ages. *Six hours credit*

### 201-202 LITERARY FOUNDATIONS OF WESTERN CULTURE

Mmes. McLennand and Taylor; Misses Hartzell and Stewart; Messrs. Baskerville, Hammann, Harshbarger, Lindeman, Loose, Mason, Pickering, Playfoot, Strong, and Wolfinger.

An introduction to the ideas and forms of Western thought, presented through reading and interpretation of selected classics: Homer through Vergil and St. Augustine through Goethe. *Six hours credit*

### 301-302 WORLD LITERATURE SINCE 1830

Mr. Sundermeyer

The forming of contemporary thought in literary masterpieces of East and West. Does not fulfill the literature requirement. Seniors only. *Six hours credit*

### 303 THE DEVELOPMENT OF THE SCIENCES OF MAN

Mr. Darrah

The relation of the tradition of the biological sciences to the intellectual interests of contemporary man. Interpretation of the human environment, man himself considered objectively, and the human values intrinsic in science.

*Three hours credit*



# Art

Professors Qually (Chairman) and Kramer  
Assistant Professors Annis and Barclay



The art curriculum is designed to function as an integral part of the liberal arts program of the College. Emphasis is placed on basic courses and the interweaving of theory and practice. In addition to their value as an extension of general education, these courses also form a foundation for graduate and professional study.

The professions most commonly entered by graduates in Art are college or high school teaching, positions as curators or directors of art museums, industrial design, commercial art, and careers as professional painters, sculptors, or printmakers.

Requirements for a major include 36 semester hours, 12 of which must be in art theory and history. Students intending to major in Art should take one course in the department during the freshman year, if possible. Progress toward a major will be critically examined by the department at the end of the sophomore year. In the senior year comprehensive examinations will include a review by the art faculty of the major's studio work.

The department offers to the nonmajor a selection of studio, theory, and history courses which aim both at general appreciation and personal expression.

Any basic studio course, as well as courses in theory and history, may be selected to satisfy the College distribution requirement in Art.

## THEORY AND HISTORY OF ART

201, 202 INTRODUCTION TO THE VISUAL ARTS

Mr. Qually

This introduction to painting, sculpture, architecture, and related arts is not an historical survey, but a study of materials, form, purpose, meaning, and style as an expression of man in his individuality and culture. Aims to develop ability to perceive expressive forms, respond to artistic quality, and train a critical eye and an inquiring mind through illustrated lectures. Open to freshmen with permission of the department.

*Four hours credit*

203, 204 HISTORY OF PAINTING

Mr. Barclay

A study of the development of painting from ancient to modern times in relation to the environment from which it grew. Involves a comparative appraisal

of the art of different periods. Emphasis is placed on painting as a unique human activity, with an examination of individual paintings through color slide projection. *Four hours credit*

205, 206 HISTORY OF SCULPTURE AND ARCHITECTURE Mr. Annis

An historical survey and critical analysis of these two closely related art forms of mass, volume, and space, with major emphasis on architecture. The evolution of forms in the major historical periods is examined in terms of the changing conditions and needs of man. In architecture, special emphasis is placed on the development and character of contemporary styles and the contributions of Sullivan, Wright, Corbusier, and other significant architects. Illustrated lectures. *Four hours credit*

207, 208 ORIENTAL ART Mr. Kramer

Directed mainly toward Chinese art, with some attention to Japanese, Indian, and Persian art. History, tradition, and culture form the background for studying material from museums and collections. *Two hours credit*

## STUDIO COURSES

The purpose of all studio courses is to sharpen the sense of sight; coordinate mind, hand, and eye; develop the ability to organize; and integrate the intuitive and rational into creative activity. Regular lectures accompany basic studio courses in order to combine theory with practice.

The department reserves the right to keep selected student work permanently.

221, 222 BASIC DESIGN Mr. Qually

An introductory course requiring no previous training. Designed to develop a capacity to think visually and provide a basic discipline to free and direct the creative imagination. Assigned problems involve a variety of media and elements of visual communication: line, value, form, space, texture, and color. *Four hours credit*

225, 226 DRAWING Mr. Annis

Employs a variety of media and progresses from the study of simple forms to still life, figure studies, and nature. Its objective is to transform the visual world into meaningful plastic form through the acute observation of nature. For beginning students. *Four hours credit*

227, 228 PAINTING Mr. Qually

Major emphasis is given to the oil medium, with experience in abstract problems, still life, figure studies, and landscape. Color theory, design structure, and historical reference are stressed in accompanying lectures. This beginning course is designed to increase the student's understanding of visual form as an aesthetic unity, expression, and communication, and to develop his creative capacity. *Six hours credit*

231, 232 PRINTMAKING

Mr. Barclay

The theory and practice of printmaking encompasses etching, engraving, woodblock printing, lithography, and serigraph. Student projects are based on an interpretive approach to subject and form. Accompanying lectures survey historical forms as well as contemporary Western printmaking. *Six hours credit*

235, 236 SCULPTURE

Mr. Annis

The beginning student is acquainted with the problems of three dimensional form through the use of a variety of media and techniques. Emphasis on clay modeling and casting in both permanent and impermanent materials. Correlated lectures develop theories of mass, volume, and spatial organizations as expressed in past periods and contemporary art. *Six hours credit*

239, 240 GRAPHIC ARTS

Mr. Barclay

A practical and theoretical study of the graphic arts as applied to forms of communication. A study of book illustration in all graphic media; explores the relationship between literature and the visual arts. Typography, poster design, and layout as art forms and as effective media for communication. Accompanying lectures survey the graphic arts of past and present, and point toward a critical study of the field. *Four hours credit*

301, 302 ADVANCED DRAWING

Mr. Annis

A continuation of Art 225, 226. Involves problems in composition and study of the figure. *Prerequisite: Art 225, 226. Four hours credit*

303, 304 ADVANCED PAINTING

Mr. Qually

Attention given to individual problems and experience in a variety of media (oil, casein, watercolor, and mixed media involving underpainting). Pictorial structure and individual expression are emphasized. *Prerequisite: Art 227, 228. Six hours credit*

307, 308 ADVANCED PRINTMAKING

Mr. Barclay

Concentrates on one medium, selected according to the student's preference and ability. *Prerequisite: Art 231, 232. Six hours credit*

311, 312 ADVANCED SCULPTURE

Mr. Annis

Emphasis is placed on independent projects in various media: terra cotta, bronze and aluminum casting, welded metal sculpture, and carving in wood and stone. *Prerequisite: Art 235, 236. Six hours credit*

401 INDEPENDENT STUDY

Staff

Provides an opportunity for the well-qualified student to execute supervised projects in the area of his special interest. Repeated second semester.

*Hours and credit arranged*

## Biblical Literature and Religion

Professor Dunkelberger (Chairman)

Associate Professor Freed

Assistant Professors Hammann, Moore, and  
Trone

Instructor Sulouff



Essential to an understanding of man is a knowledge of his beliefs and aspirations. In the West, the Hebrew-Christian tradition has been the predominant religious influence, leaving its imprint upon the events of three millenniums and exerting its impact today. Central to study of the Hebrew-Christian tradition is serious investigation of the Bible both as an historical document dealing with significant events and persons and as a document of faith illustrating the great affirmations of prophets, priests, apostles, and evangelists. Complementary to study of the Bible is investigation of the development which leads to present-day Christian thought and action. Also, the contemporary world community in which we live demands an appreciation of religions that have been influential in other civilizations.

Requirements for a major include 24 semester hours with a concentration either in Biblical Literature or in Religion. Those concentrating in Biblical courses are urged to minor in Greek or Latin and may include Greek 326 as part of the hour requirements for a major. Those concentrating in Religion may include Philosophy 331. Courses 101 and 102, required of all students, are prerequisite for all other courses in the department and may be counted toward either a major or a minor. Students contemplating church vocations and pretheological students should consider at least a minor in this department.

### 101 HISTORY OF THE HEBREW PEOPLE

Staff

The general periods of Hebrew history from the age of Abraham to about 200 B.C. along with religious and literary developments are studied in the light of the most recent archaeological evidence. The history and culture of Israel is related to that of surrounding nations.

*Three hours credit*

### 102 LIFE OF CHRIST AND THE RISE OF CHRISTIANITY

Staff

Primary emphasis is given to the aspects of Jesus' life as portrayed in the synoptic gospels with attention also to the presentation in the gospel of John. The



interpretation of Christ by Paul and the spread of Christianity through the Roman world are briefly surveyed. *Three hours credit*

201 EARLY AND MEDIEVAL CHURCH HISTORY Mr. Trone

An extension of the study of Christianity beyond the Biblical limits as a continuous development from New Testament origins through the Middle Ages. *Three hours credit*

202 REFORMATION AND MODERN CHURCH HISTORY (†) Mr. Dunkelberger

The study of the pluralistic development of Christianity from the formative period of the Reformation through the scholastic, enlightenment, and nineteenth century eras. *Three hours credit*

301 THE HEBREW PROPHETS Mr. Moore

The prophets and their times, with a view to discovering the abiding principles contained in their messages. Effort is made to relate these principles to the present social order. *Three hours credit*

303 JUDAISM FROM 200 B.C. TO A.D. 200 Mr. Freed

Its history, institutions, groups, and teachings. Jewish literature of the period, including that of the Qumran community, is studied as the basic source of information for this period and as a primary background for study of the New Testament. *Three hours credit*

304 HISTORY AND LITERATURE OF THE NEW TESTAMENT (†) Mr. Freed

An introduction to study of the problems, origins, and purposes of the writings of the New Testament with the exception of the gospels. *Three hours credit*

306 THE GOSPEL OF JOHN Mr. Freed

Chief emphasis is given to the thought and content of the gospel itself. An effort is made to discover some of the various forms of thought background of the gospel, especially that of the Old Testament. Some study of the gospel in its relationship to the synoptic gospels and to the First Epistle of John. *Three hours credit*

311 CONTEMPORARY RELIGIOUS THOUGHT IN THE WEST Mr. Dunkelberger

An examination of the ideas of religious leaders of our times in the West and a consideration of major religious emphases today. *Three hours credit*

312 CHRISTIAN EVIDENCES (†) Mr. Dunkelberger

A careful appraisal of the case for Christianity including the consideration of its statements of faith, its way of life, its aesthetic appeal, and its organizational claims. Problems arising from the effort to make the Christian affirmation intellectually acceptable are considered. *Three hours credit*

314 DOCUMENTS OF LUTHERANISM (†)

Mr. Dunkelberger

Readings in and evaluations of documents of the Lutheran tradition from the Reformation to the contemporary period to gain a clearer perspective of the doctrinal, organizational, liturgical, and social views that have evolved. Influences of interrelations with other denominations are considered briefly.

*Three hours credit*

316 RELIGIONS OF THE WORLD

Mr. Hammann

A survey of the history and content of great religions of the world outside the Hebrew-Christian tradition with a view to better understanding of the peoples of our day.

*Three hours credit*

## Biology

Professor Bowen (Chairman)

Associate Professors Barnes, W. Darrah,  
and Messer

Assistant Professors Beach and Logan

Lecturer H. Darrah

Assistants



The courses in this department are designed to provide an understanding of the basic principles of general and comparative Biology. Emphasis is placed on the following features: the cultural values of biological science; the correlation of Biology with Sociology, Psychology, Anthropology, and Paleontology, and the integration of Biology with other areas of human knowledge and experience; biological principles in relation to human life; and fundamental training for students who plan to enter graduate schools for advanced training in biology, medicine, dentistry, nursing, forestry, laboratory technology, or other professional biological fields.

Requirements for a major include a minimum of 8 semester courses approved by the department. Students who prove their ability to do work of a high caliber are encouraged to work independently with problems in biology during their senior year.

A student in Biology who expects to do graduate work in biology or medicine is expected to complete such courses in Biology, Physics, Chemistry, Mathematics, English, and foreign languages as will satisfy the department and meet the requirements of the school of his choice.

101-102 GENERAL BIOLOGY Staff

Basic principles of structure and function in plants and in animals, including man. Three class hours and three laboratory hours. *Eight hours credit*

103 GENERAL BOTANY Mr. Darrah

An introduction to the biology of plants, presenting basic principles and emphasizing the position of plants in nature and in relation to human interests. Three class hours and three laboratory hours. *Four hours credit*

104 GENERAL ZOOLOGY Mr. Barnes

An introduction to the biology of animals, presenting basic principles and emphasizing the position of animals in nature and in relation to human interests. Three class hours and three laboratory hours. *Four hours credit*

201-202 COMPARATIVE ANATOMY OF VERTEBRATES Mr. Messer

Detailed examination of the origins, structure, and functions of the principal organs of typical fishes, amphibians, reptiles, birds, and mammals. Special attention is given to the progressive modification of organs from lower to higher vertebrates. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Eight hours credit*

203 VERTEBRATE ZOOLOGY Mr. Messer

Representative vertebrates, with special emphasis upon structure, the physiological importance of organs, and the relationships existing among the various groups of vertebrate animals. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*

204 MAMMALIAN ZOOLOGY Mr. Messer

Detailed structure of a typical mammal and an introduction to human anatomy and physiology. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

301 BOTANY Mr. Darrah

The identification and classification of lower plants; their physiology, origin, and distribution and their importance in human affairs, including biological, medical, and industrial applications. Emphasis on field work. *Prerequisite:* Biology 101-102 or 103. Three class hours and three laboratory or field hours. *Four hours credit*

302 BOTANY Mr. Darrah

The identification and classification of vascular plants; their origin, distribution, and importance in human affairs, including history, culture, and social

customs. Emphasis on field work. *Prerequisite:* Biology 101-102 or 103. Three class hours and three laboratory or field hours. *Four hours credit*

**306 FIELD WORK IN BIOLOGY** Mr. Beach

The study of the principles of systematics and ecology of plants and animals with particular emphasis on the application of these principles to field biology. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*

**308 CONSERVATION** Mr. Darrah

An introduction to the general principles of conservation including the management of forests, soils, waters, fishes, birds, and mammals, and their importance in economic and cultural life. Two class hours and field trips as arranged. *Three hours credit*

**313 COMPARATIVE HISTOLOGY** Mr. Bowen

The microscopic structure, origin, and functions of individual cells, fundamental tissues, and principal organs of the animal body; techniques of preparing materials for microscopic investigation. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

**314 CYTOLOGY** Mr. Bowen

The morphological, physical, and chemical organization of cells; functional significance of cellular structures including development, heredity, cellular activities, and the life histories of cells. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

**321 EMBRYOLOGY** Mr. Barnes

Development from the germ cells to the establishment of the principal organs of the body, including both the anatomy and physiology of development. *Prerequisite:* Biology 201-202 or 203. Two class hours and two laboratory periods. *Four hours credit*

**323 PARASITOLOGY** Mr. Beach

An introduction to the general principles of parasitism with emphasis upon the evolution, taxonomy, morphology, and physiology of animal parasites. *Prerequisite:* Biology 101-102 or 104. Three class hours and three laboratory hours. *Four hours credit*

**326 INVERTEBRATE ZOOLOGY** Mr. Barnes

The anatomy, physiology, embryology, and natural history of the major groups of invertebrates and a consideration of the principles of invertebrate phylogeny. *Prerequisite:* Biology 101-102 or 104. Three class hours and three laboratory hours. *Four hours credit*

**329 GENERAL MICROBIOLOGY (†)**

The nature and importance of microorganisms, including yeasts, molds, bacteria, and pathogenic protozoa. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*



### 333 PRINCIPLES OF HEREDITY

Mr. Beach

The fundamental principles of heredity as observed in common plants and animals, including man, and the relationships between heredity and development, physiology, and evolution. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*

### 334 PREHISTORIC LIFE

Mr. Bowen

An introduction to the geologic history of plants and animals from the development of life to the beginning of historic time. Two class hours. *Two hours credit*

### 337 PHYSIOLOGY

Miss Logan

A study of the functions of vertebrate organ systems, with consideration of some aspects of invertebrate physiology. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

### 338 PHYSIOLOGY

Miss Logan

Cellular physiology: the mechanics and dynamics of the living cell. *Prerequisites:* Biology 101-102 or 103 and 104 and Chemistry 101-102 or 111-112. *Four hours credit*

### 401-402 PROBLEMS IN BIOLOGY

Staff

An introduction to special techniques and methods in biological investigation. Offered to junior and senior Biology majors with the approval of the department. Hours and credit arranged. *Maximum credit of four hours each semester*

### 404 BIOLOGICAL SEMINAR

Staff

A survey of the field of biology; the history of biology; and the use of scientific publications, including recent biological texts and current journals. Course advised for junior or senior majors. Three class hours. *Two hours credit*

## Chemistry

Professors Schildknecht (Chairman), Sloat,  
and Weiland  
Assistant Professor Rowland  
Instructor Geiser  
Research Assistant Baer  
Assistants



The teaching, curriculum, and activities of this department aim to provide an understanding of the principles of chemistry together with their application and relationships to other fields of learning. Attention is given to reasoning from firsthand observations in demonstrations and individual laboratory experiments, to significant recent developments in theory and methods of investigation, and to quantitative explanations of chemical phenomena.

Besides a curriculum pointing toward advanced study in chemistry, premedical training for majors in Chemistry and Biology is provided as well as elective courses for majors in other sciences and in the liberal arts. In addition to Chemistry majors who enter graduate work at outstanding universities and medical schools, other graduates go into fields such as high school teaching, dentistry, medical technology; industrial or governmental research; technical sales; and patent, intelligence, or library work in the chemical industry.

Requirements for a major in Chemistry include courses 101-102 or 111-112, 201, 202, 301-302, and 303-304. Premedical majors in Chemistry need additional courses in Biology, Physics, and languages to meet the requirements of their chosen medical schools. Majors preparing for graduate school or chemical research study Chemistry 313-314 in the senior year. Chemistry 311-312 and 401 are laboratory courses open to qualified juniors and seniors. Physics 111-112 is taken by all Chemistry majors, preferably in the sophomore year. Majors in Chemistry should fulfill their language requirements in German (with Russian as a possible alternative). Freshman majors in physical sciences who have had adequate high school chemistry are urged to join the accelerated section of General Chemistry 111-112 rather than 101-102.

The curriculum of the department is approved by the American Chemical Society. Research facilities and equipment are available for investigations by the faculty and qualified students. Term papers and seminars in the junior and senior years help the student acquire facility in speaking and writing and in the use of chemical literature available in the departmental library. Experience as laboratory instructors is given with 321-322 and is also available to other selected juniors and seniors.

101-102 GENERAL CHEMISTRY      Messrs. Sloat, Baer, and Schildknecht,  
Mrs. Geiser, and Assistants

The occurrences, properties, uses, and methods of preparation of the more common elements and their compounds, and theoretical principles involved. Special emphasis is placed upon the scientific method of reasoning and the ap-

plication of chemical principles through the solving of problems. Two lectures, one recitation, and three laboratory hours. *Eight hours credit*

### 111-112 GENERAL CHEMISTRY

Mr. Rowland

Modern theories of atomic structure are used as the basis for developing an intimate knowledge of fundamental laws governing chemical combinations. As a course designed primarily for science majors, much emphasis is placed upon solution of problems as a means of best understanding those principles which underlie all important branches of chemistry. An adequate secondary school course in chemistry is recommended for all contemplating this section of General Chemistry. Three lectures and three laboratory hours. *Eight hours credit*

### 201 QUALITATIVE ANALYSIS

Mr. Weiland

A comprehensive study of the principles of chemical equilibria including acid-base, solubility, and complex types. The laboratory is devoted to analysis of inorganic ions on a semimicro scale. *Prerequisites:* Chemistry 101-102 or 111-112, and Mathematics 101 and 102 or 105-106. Two lectures and six laboratory hours. *Four hours credit*

### 202 QUANTITATIVE ANALYSIS

Mr. Weiland

The course includes the theory of quantitative processes and laboratory work devoted to gravimetric, volumetric, and colorimetric procedures. *Prerequisite:* Chemistry 201. Two lectures and six laboratory hours. *Four hours credit*

### 301-302 ORGANIC CHEMISTRY

Mr. Schildknecht

A systematic study of the compounds of the aliphatic and aromatic series with special emphasis upon relationships and synthesis of more important compounds together with the study of their properties and techniques of preparation in the laboratory. *Prerequisites:* Chemistry 101-102 or 111-112, 201, and 202. Three lectures and three laboratory hours. *Eight hours credit*

### 303-304 PHYSICAL CHEMISTRY

Mr. Sloat

Fundamental atomic and molecular theory, electron conception of valence, complex compounds, gases, solids, energetics, liquids, solutions, colloidal dispersions, electromotive force, ionic and chemical equilibria, physical properties of matter, and phase rule. Laboratory illustration of such of these principles as are of theoretical interest or of particular service in medical school or industrial practice. *Prerequisites:* Chemistry 101-102 or 111-112, Physics 111-112, and Mathematics 205-206. Three lectures and three laboratory hours. *Eight hours credit*

### 311-312 ADVANCED ANALYTICAL CHEMISTRY

Mr. Weiland

Topics covered in theory and practice are electrolysis, potentiometry, colorimetry, spectrophotometry, and other instrumental methods. *Prerequisites:* Chemistry 101-102 or 111-112, 201, and 202. Six laboratory hours and one conference hour. *Four hours credit*

### 313-314 ADVANCED ORGANIC CHEMISTRY

Mr. Rowland

Special topics covered include the orbital theory as applied to organic compounds, stereochemistry, reaction mechanisms, chemical kinetics, conformational

analysis, and the chemistry of steroids. First-semester laboratory work deals with organic qualitative analysis, while advanced syntheses are conducted during the second semester. A seminar is given by each student during the second semester on a topic of current interest in organic chemistry. *Prerequisite:* Chemistry 301-302. Two lectures and six laboratory hours. *Eight hours credit*

321-322 TEACHER'S COURSE

Mr. Sloat

Organization and conduct of an elementary course in chemistry. Strongly recommended for prospective teachers and graduate students. One lecture and three laboratory hours. *Four hours credit*

401 RESEARCH

Staff

Selected laboratory and literature investigations, especially in the fields of analytical chemistry, biochemistry, organic synthesis, physical chemistry, polymerization, and steroid chemistry. *Prerequisites:* Chemistry 101-102 or 111-112, 201, 202, and 301. Laboratory work and conferences. Repeated second semester.

*One to three hours credit*

## Dramatic Arts

Professor Arms

101, 102 APPRECIATION OF THE THEATER

Mr. Arms

Current plays of the English-speaking stage are discussed in detail.

*Two hours credit*

## Economics and Business Administration

Professor Stokes (Chairman)

Visiting Professor Douglas

Associate Professors Williams and Zagars

Assistant Professor Baird

Instructors Gemmill and Krum

Assistants





Courses offered by this department are designed to provide an understanding of the principles of economic behavior. Both theoretical and applied courses meet the needs of students who intend to enter graduate and professional schools or who plan a career in business or government. Fundamentals rather than techniques are stressed. Students may select either Economics or Business Administration as their major field. Majors in the department normally minor in one of the following allied fields: Mathematics, Political Science, Psychology, History, or Sociology. With permission of the department, a student may select another field of study for a minor.

## ECONOMICS

Requirements for a major in Economics are a minimum of 24 semester hours, including Economics 201-202, 303, 311, and 333 and Mathematics 352. In addition, all majors are required to take Political Science 201 and are advised to take Economics 251-252. History 234 may be used in fulfilling the hour requirements for a major. Economics 201-202 is required for a minor in this department and is prerequisite for all other courses in Economics. To qualify for departmental honors, seniors must take Economics 401.

### 201-202 PRINCIPLES OF ECONOMICS

Staff

Aims to give the student a basic understanding of the operation of our economic system. Deals with topics of neoclassical and post-Keynesian economics: private enterprise, national income, employment and growth, money and banking, monetary and fiscal policy, the price system, distribution of income, and international economics. Enables students to analyze economic problems and reach well-considered judgments on public policy issues. *Six hours credit*

### 203 PRINCIPLES OF ECONOMICS

Staff

A survey of the existing and changing economic order. An analysis of basic factors of production, exchange, distribution, and consumption of wealth. Designed to meet the requirements in Economics for those who wish to be certified to teach social studies in the public schools of Pennsylvania. Not acceptable in partial fulfillment of the major or minor requirements of the department. Repeated second semester. *Three hours credit*

### 301 LABOR ECONOMICS

Mr. Zagars

A study of the structure and activities of labor organizations. An analysis of labor and management relations from the viewpoint of the employee, the employer, and the public. *Three hours credit*

## 302 THE ECONOMICS OF TRANSPORTATION

Mr. Stokes

Deals with the various modes of transportation, their development, characteristics, operations, problems, and regulation. Attention is given rapid developments which have occurred in the fields of highway and air transport, and coordination of the different types of transport.

*Three hours credit*

## 303 MONEY AND BANKING

Mr. Stokes

Undertakes to explain the role of money and financial institutions in determination and fluctuation of price and income levels. Among the topics presented are the nature and functions of money and credit, credit instruments, monetary standards, classes and functions of commercial banks and their operations, the structure and operation of the Federal Reserve System, theories of the value of money, credit control, and monetary policy. Repeated second semester.

*Three hours credit*

## 305 PUBLIC FINANCE

Mr. Stokes

Provides a knowledge of American fiscal institutions. Deals with the numerous types of taxes employed by various levels of governments to finance their activities, the effects of these taxes, the budget, fiscal policy, and management of the public debt.

*Three hours credit*

## 306 INTERNATIONAL ECONOMICS

Mr. Zagars

A study of the basic theory and major institutions of international economic relations: international trade and finance, barriers to trade and trade agreements, foreign investment, and foreign economic policies.

*Three hours credit*

## 308 BUSINESS CYCLES AND FORECASTING

Mr. Gemmill

Examines the economic factors underlying cyclical variations in economic activity; cycle theories; behavior of selected domestic and international indicators of business fluctuations; forecasting techniques; and control of cycles.

*Three hours credit*

## 311 INTERMEDIATE ECONOMIC ANALYSIS

Provides an exposition of contemporary economic theory at a level intermediate between course 201-202 and graduate courses in economic theory. A more intensive training in economic analysis than the basic course. *Prerequisite:* Economics 201-202.

*Three hours credit*

## 324 THE SOVIET SYSTEM

Mr. Zagars

A comparative study and analysis of the evolution and present structure of major social, political, and economic institutions of Soviet society. Attention is given to factors explaining the survival and economic growth of the Soviet Union. Trends and prospects are discussed, particularly in relation to economic development of the United States and Western Europe.

*Three hours credit*

## 331 ECONOMIC PROBLEMS AND ANALYSIS

Mr. Williams

An analysis of current economic problems, based on selected readings which

are designed to exemplify the divergent opinions possible on important and controversial issues of an economic or governmental nature. Being interdisciplinary in its approach, this study utilizes the language and principles of political economy in a descriptive and analytical approach to economic problems. Designed to encourage individual thinking and a sounder understanding of problems of economics and citizenship. Repeated second semester. *Three hours credit*

333 HISTORY OF ECONOMIC THOUGHT AND ANALYSIS Mr. Zagars

An historical study and analysis of economic ideas, institutions, and policies in relation to major forms of social, political, and economic organizations since antiquity. *Three hours credit*

401 SENIOR SEMINAR Mrs. Douglas

Open to majors with the consent of the department. Research papers on contemporary economic problems are prepared and discussed. Repeated second semester. *Three hours credit*

## BUSINESS ADMINISTRATION

Requirements for a major in Business Administration are 30 semester hours, including Economics 201-202, 251-252, and 331 and Mathematics 352. Remaining hours may be taken in any of the courses listed below or in those listed under Economics. Mathematics 351 and 353-354 may be counted in fulfilling hour requirements for a major. All majors are also required to take Political Science 201.

151 ECONOMIC GEOGRAPHY Mr. Krum

Location and use of the world's economic resources. Provides a background for understanding industrial, commercial, and agricultural opportunities and limitations, with emphasis on climate, topography, population, and essential resources. Open only to freshmen, except with special permission.

*Three hours credit*

152 INDUSTRIES OF THE UNITED STATES Mr. Krum

A survey of American industries, with emphasis on the origin, nature, and development of selected industries. Attention is focused on their geographic basis, historical evolution, current economic position, and problems.

*Three hours credit*

251-252 ELEMENTARY ACCOUNTING Messrs. Baird and Gemmill

An introduction to principles of accounting and procedures of double entry bookkeeping as applied in accounting for single proprietorships, partnerships, and corporations. The preparation and analysis of financial statements with attention directed to managerial use of accounting data. *Six hours credit*

## 351-352 INTERMEDIATE ACCOUNTING

Mr. Baird

A continued and more intensive study of principles and theories prevalent in accounting with consideration given to alternative methods of recording and presenting accounting data. Attention is directed toward acquainting the student with the predominant professional groups and their pronouncements on accounting matters. *Prerequisite:* Economics 251-252. *Six hours credit*

## 355 AUDITING

Mr. Baird

An introduction to principles and procedures of auditing, including preparation of audit programs and working papers and the writing of reports. Some of the actual experience of conducting an audit is assimilated through completion of a practice set. *Prerequisite:* Economics 351-352. *Three hours credit*

## 356 FEDERAL TAXES

Mr. Baird

Study of federal taxes with emphasis on the accounting and managerial implications of the law. Preparation of returns and analysis of current problem materials are required. *Prerequisite:* Economics 351-352. *Three hours credit*

## 361 MARKETING PRINCIPLES AND PRACTICES

Mr. Krum

An analysis of the marketing structure underlying the sale and movement of goods from producer to final buyer, with a view to determining principles and practices conducive to more efficient marketing management. Repeated second semester. *Three hours credit*

## 363 BUSINESS LAW

Mr. Stokes

An introduction to the field of law with special emphasis on the nature of the sources of law, legal remedies, and the courts. Contracts and negotiable instruments are among areas covered. Repeated second semester. *Three hours credit*

## 365 PERSONNEL MANAGEMENT

Mr. Williams

Scientific manpower management, or personnel principles and policies. Describes the nature of management commitment and introduces the techniques and areas of responsibility that contribute to a sound personnel program. The social and economic background is introduced and considerable material concerning the union movement and its managerial implications in the collective bargaining arrangement is viewed. Additional time is spent on essential concerns of the individual student as he seeks a job, and what to expect as he works on the job. *Three hours credit*

## 366 INDUSTRIAL MANAGEMENT

Mr. Williams

Introduces the language of scientific management: its historical background, changing social responsibilities, and major functional areas of internal and external activities of the concern. Organization, financing, research, and development, as well as managerial and budgetary techniques, are introduced. Specialized language and techniques in industrial management are presented, as well as the means used to achieve communication, facilitation, and coordination within the enterprise. *Three hours credit*



367 CORPORATION FINANCE

Mr. Gemmill

Deals with raising and administering of funds used in the modern corporation: corporate organization, stocks and bonds, principles of long-term finance, management of working capital and income, security exchanges, corporate expansion, and failure and reorganization. *Three hours credit*

370 INVESTMENTS

Mr. Gemmill

Examines basic economic factors bearing upon informed investment decisions, utilizing security and market analysis. The analysis deals with the effect of general economic influences upon specific investment situations in business, institutional, and governmental securities. Open to seniors only, except by permission of the department. *Prerequisite: Economics 367. Three hours credit*

## Education

Professor Rosenberger (Chairman)

Associate Professor Johnson

Assistant Professor J. T. Held

Mr. Terwilliger



The Education Department works cooperatively with all other departments in preparation of the prospective teacher. Each student may major in a field of his choice and, beginning in the sophomore year, pursue courses in Education. A maximum of 18 hours credit in Education may be counted toward the Bachelor of Arts degree.

The primary purposes of professional training are to give the student a thorough background in educational philosophy and theoretical concepts pertaining to the art of instruction, a thorough understanding of educational problems, and actual participation in activities of the classroom through student teaching.

## 301 EDUCATION PSYCHOLOGY Messrs. J. T. Held and Johnson

The development of the individual and psychological principles of learning are extensively investigated. An introduction to evaluating and reporting pupil progress. *Prerequisite:* Psychology 201. Repeated second semester.

*Three hours credit*

## 305 INTRODUCTION TO EDUCATION Mr. J. T. Held

The function of schools in a democracy. Emphasis is placed on methods and techniques of the teaching-learning process and classroom management. *Prerequisite:* Psychology 201. Repeated second semester.

*Three hours credit*

## 309 HISTORICAL AND SOCIAL FOUNDATIONS OF EDUCATION

Mr. Rosenberger

The relationship of the education of man to the developing social patterns of Western culture as it emerged from its Greek foundations. *Prerequisite:* Psychology 201. Repeated second semester.

*Three hours credit*

## 313 SCHOOL CURRICULA Messrs. J. T. Held and Johnson

The philosophy, practices, and problems of elementary and secondary school curricula. The construction and revision of courses are investigated as well as the core curriculum. A general orientation to guidance and extracurricular activities. *Prerequisite:* Education 305. Repeated second semester.

*Three hours credit*

## 317 EDUCATIONAL MEASUREMENTS (†)

The development of principles of evaluation of individual differences as related to intelligence, aptitude, scholastic achievement, and personality factors. The principles of test construction and interpretation of test data. *Prerequisites:* Education 301 and 305.

*Three hours credit*

## 321 SCHOOL ORGANIZATION AND LAW Mr. Rosenberger

Gives an understanding of the legal status of teachers; the relation of local, state, and national governments to the schools; and the principles of the teachers' relation to administration. *Prerequisite:* Education 301.

*Three hours credit*

## 328 PRINCIPLES OF GUIDANCE Mr. J. T. Held

The principles and practices of counseling and guidance. The systematic study of the individual, the theories and techniques in practice, guidance programs, and the place of guidance in the total educational program. *Prerequisites:* Education 301 and 305.

*Three hours credit*

## 331 FOUNDATIONS OF READING INSTRUCTION Mr. Terwilliger

An introduction to the theory and problems in reading instruction at elementary and secondary levels. The current trends relating to recognition of these problems and appropriate instructional aids. *Prerequisite:* Psychology 201.

*Three hours credit*

334 PREVENTION AND CORRECTION OF READING DISABILITIES

Mr. Terwilliger

A study of the analysis and correction of reading disabilities in the elementary and secondary schools. Emphasis is placed on teacher-constructed materials, standardized tests relating to reading, and practical application of corrective techniques for specific reading disabilities. *Prerequisite:* Education 331 or permission of the instructor. *Three hours credit*

337 AUDIO-VISUAL EDUCATION

Mr. Johnson

The underlying philosophy, principles, and techniques involved in use of sensory aids. Intended to increase effectiveness of both new and experienced teachers in the use of such aids. *Prerequisite:* Education 301. Repeated second semester. *Three hours credit*

401 STUDENT TEACHING

Messrs. Rosenberger and J. T. Held

Student observation, participation, and teaching on the secondary school level under supervision of an experienced teacher. Group and individual conferences are held for discussion of principles and problems. A minimum of 90 hours of responsible classroom teaching is recommended. *Prerequisites:* Education 301 and 305. Repeated second semester. *Six hours credit*

## English

Professors Geyer (Chairman) and Mason  
Associate Professors Bolich, Lindeman,  
Taylor, and Wolfinger

Assistant Professors McLennand and  
Pickering

Instructors Baskerville, Harshbarger,  
Locher, Loose, Stewart, and Strong  
Lecturers L. Hartzell and Miller



The courses offered by the department are designed to train students to express their thoughts correctly and effectively through spoken and written language and to understand, interpret, and assimilate as fully as possible the thoughts and experiences of the great creative and imaginative minds of our English and American literature.

Through a close and vital relationship with literature of true worth the student may obtain many of the values generally associated with a liberal arts education: self-discovery, an enlargement of sympathy and understanding, greater toleration for others, and growth of the spirit and the imagination. In addition, the program in English is excellent preparation for careers in teaching, publishing, journalism, and government service and for graduate study leading to advanced degrees in English, the ministry, and library work.

The requirement for a major is a minimum of 30 semester hours of English and American literature. All majors are required to take English 211-212 and 365, 366. In addition, 6 hours must be selected from each of the following groups: Group I: 331, 334, 338, 362, 367; Group II: 341, 345, 348, 351; Group III: 311, 312, 321, 322, 324, 328, 372. Majors and minors who expect to teach in the public schools should take English 311 and 312 and Speech 201. History 203, 204 and 231, 232 and Philosophy 201, 301, 302, and 303-304 are highly recommended for majors. Students planning to do graduate work in English should take French and German courses.

English 213, 214 may be used to fulfill the College literature requirement of the non-English major.

## COMPOSITION

### 101-102 ENGLISH COMPOSITION

Staff

Aims to develop the student's skill in expressing himself in clear, accurate, and thoughtful English prose. By training in principles of composition (including a brief review of the fundamentals of grammar), by careful reading of varied prose selections, and by adequate practice in writing the four forms of discourse (with emphasis on exposition), the student may gain an effective use of his language and may understand the desirability of a standard of writing fully acceptable to his literate fellow man.

*Six hours credit*

### 201 ADVANCED COMPOSITION

Mrs. McLennand and Messrs.

Locher and Pickering

From the analysis of works of nonfiction, the four types of discourse and the techniques of effective expository and argumentative discussion are examined. With these concepts and techniques, the course offers guided practice in the writing of exposition and argument. The final research paper sums up these analyses and this practice in a project of practical value to the prospective graduate or professional student, giving him the one instrument which all such studies will demand.

*Three hours credit*

### 203 JOURNALISM

Mrs. Taylor

An introduction to techniques of newspaper writing and editing, preparation



of news stories and features, and news reports for radio and television. Repeated second semester. *Two hours credit*

205, 206 CREATIVE WRITING Mrs. Taylor

A workshop in the writing of short stories and verse, a study of the techniques of narrative, with an analysis of contemporary models. *Four hours credit*

305, 306 ADVANCED CREATIVE WRITING Mrs. Taylor

A workshop for advanced writing students. Problems and techniques of writing short stories, verse, and drama. *Prerequisite: English 205, 206. Four hours credit*

## LITERATURE

211-212 ENGLISH LITERATURE Messrs. Geyer and Mason

A requirement for English majors in the sophomore year, this course is an historical survey of English literature from *Beowulf* to the twentieth century, with some attention to the social, political, and intellectual background. Selected works are studied analytically in order to develop the student's understanding and appreciation. *Six hours credit*

213, 214 INTRODUCTION TO LITERATURE Mrs. McLennand,  
Miss Stewart, and Messrs. Locher and Strong

An intensive study of the dominant literary types: short story, novel, poem, and drama. Attempts to stimulate a valid appreciation and judgment of literature through precise critical analysis of selected works truly representative of the major literary forms. With chief emphasis on American and British works, the course gives the student a foundation for deeper understanding of literary works written in his own language. *Six hours credit*

311 AMERICAN POETRY Mr. Mason

The reading of selected works ranging from Freneau to Emily Dickinson, together with relevant prose documents by some of the poets. The classroom work emphasizes oral reading, critical analysis, and the recognition of dominant Romantic elements. *Three hours credit*

312 AMERICAN PROSE Mr. Mason

The analysis of the shorter masterpieces of American prose from the Colonial writers into the middle nineteenth century, with some attention to the greater nineteenth century novels. Required readings extend from the American beginnings into the early twentieth century, but classroom discussion is not so extensive. Historical backgrounds, except as they are communicated by the works themselves, are not especially emphasized. *Three hours credit*

321, 322 THE ENGLISH NOVEL Mr. Pickering

With reference to previous form and content in works of literature, English 321 examines the beginnings of the English novel in John Bunyan, late in the seventeenth century, follows the development of the novel and its audience through the end of the eighteenth century to Jane Austen. English 322 takes the novel through the nineteenth century, from Scott and the increased con-

sciousness of man in history, through Dickens and the consciousness of man in society, to Kipling and the consciousness of man in the world. *Six hours credit*

### 324 CONTEMPORARY PROSE FICTION

Mr. Geyer

The form and content of a number of English and American novels and short stories of the twentieth century are carefully studied against the social and intellectual background. Representative works by Conrad, Joyce, Woolf, Huxley, Lawrence, Dreiser, Hemingway, Faulkner, and others are read.

*Three hours credit*

### 328 MODERN DRAMA

Mr. Wolfinger

This course includes, in addition to a study of selected plays of Ibsen and an appraisal of his significance as a dramatist, an analysis of post-Ibsen movements in the drama and of relevant plays.

*Three hours credit*

### 331 MEDIEVAL LITERATURE

Mr. Baskerville

Traces the development of Western literature from the Patristic age through the fourteenth century. Special attention is devoted to the continuity of the classical tradition, the development of medieval lyric, the Arthurian legend, courtly love, the Tristan and Isolde story, the Grail legend, Anglo-Saxon literature, and *Piers Plowman*.

*Three hours credit*

### 334 RENAISSANCE LITERATURE

Mr. Baskerville

English prose and poetry of the sixteenth century. The development of prose styles through the century; only the poetry of the last quarter of the period is studied in detail. The work of Edmund Spenser is used to summarize the highest achievement in nondramatic literature.

*Three hours credit*

### 338 THE SEVENTEENTH CENTURY

Mr. Mason

The time is divided equally between the poetry (other than Milton's) and the prose of the century, from Bacon to Dryden. Styles are examined, analytical categories are attempted, and prevailing ideas and interests of the age are identified and illustrated. Drama is excluded.

*Three hours credit*

### 341 THE EIGHTEENTH CENTURY

Mr. Geyer

The literature of the century from Defoe to Blake, with special emphasis on satire, social criticism, neoclassicism, and the beginnings of romanticism. The drama and the novel are excluded.

*Three hours credit*

### 345 THE ROMANTIC PERIOD

Mr. Geyer

A large body of poetry and selected prose written between 1790 and 1830 by Wordsworth, Coleridge, Byron, Shelley, and Keats is carefully examined. Attention is given to the historical and intellectual background.

*Three hours credit*

### 348 THE VICTORIAN PERIOD

Mr. Geyer

An intensive study of the major English prose writers and poets and their reaction to the social, economic, political, and aesthetic problems of the nineteenth century. Special attention is devoted to Carlyle, Tennyson, Browning, Arnold, and the writers of the art for art's sake movement.

*Three hours credit*

### 351 MODERN POETRY

Mr. Lindeman

A thorough study of a selected group of major American and British poets: E. A. Robinson, Robert Frost, Wallace Stevens, Gerard Manley Hopkins, W. B. Yeats, T. S. Eliot, and Dylan Thomas. Attention is given to the explication of individual poems and to the ways in which these poets respond to the persistent problems and themes of the contemporary intellectual climate.

*Three hours credit*

### 362 CHAUCER

Mr. Pickering

With careful scrutiny of the intellectual and physical world of the Middle Ages, the five major poems of Geoffrey Chaucer (including *Troilus and Criseyde* and *The Canterbury Tales*) are examined, marking the poet's debt to his French and Italian predecessors and contemporaries, his use of classical techniques and examples, and the final development of his original genius.

*Three hours credit*

### 365, 366 SHAKESPEARE

Mr. Wolfinger

A critical analysis of numerous plays; a study of Shakespeare's nondramatic poems, criticism, and historical and bibliographical materials. Special attention is given to the development of Shakespeare's poetic and dramatic art.

*Six hours credit*

### 367 MILTON

Mr. Mason

The major poems and a few of the early minor works are read and interpreted in the classroom, so far as time permits. A few major prose works are required reading. An attempt to interpret Milton as an expression of his age. Cross references to other literature, especially the classical background, are frequent.

*Three hours credit*

### 372 THEORIES OF LITERATURE

Mr. Lindeman

Undertakes to examine and compare the various ways in which man has regarded literary art: its sources, forms, and purposes. The history of critical theory is surveyed, from Plato and Aristotle to the present, with emphasis placed upon the modern period. Representative documents are read and discussed.

*Three hours credit*

### 401 INDEPENDENT STUDY

Staff

With the consent of the department a major may do reading or research under the supervision of a member of the staff. Repeated second semester.

*Hours and credit arranged*

## SPEECH

### 201 BASIC PUBLIC SPEAKING

Mr. Bolich

A study of the basic principles of public address: delivery, bodily action, and some attention to voice. Considerable emphasis is placed on finding and arranging, in effective outline form, worthwhile material. Repeated second semester.

*Two hours credit*

202 ADVANCED PUBLIC SPEAKING

Mr. Bolich

The adaptation of public address to various purposes: to inform, entertain, convince, and induce to action. A portion of the course is devoted to the study of the impromptu speech. *Prerequisite:* Speech 201.

*Two hours credit*

301 VOICE AND DICTION

Mr. Bolich

Proper use of the voice apparatus through drills and study in physical control, breathing, tone production, and resonance. Exercises in articulation, correct pronunciation through the use of the International Phonetic Alphabet.

*Two hours credit*

302 ARGUMENTATION AND DISCUSSION

Mr. Bolich

The principles of logical proof in oral discourse. A complete study of the various forms of debate. Discussion and conference leadership are considered.

*Two hours credit*

303 ORAL INTERPRETATION

Mr. Bolich

Study and practice in techniques of reading aloud from prose, poetry, and dramatic literature.

*Two hours credit*

304 RADIO SPEECH

Mr. Bolich

Radio as a means of communication and as a social agency. The principles of radio speaking and script writing. Some attention is given to television. Field trips to nearby radio and television stations are included.

*Two hours credit*

## French (See Romance Languages)

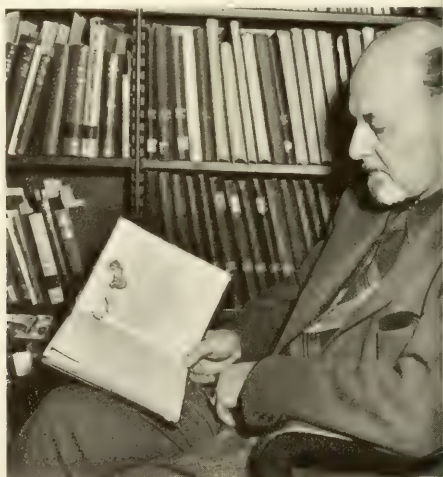
## German

Professor Sundermeyer (Chairman)

Associate Professor Ahrens

Instructors Collier, Langerhans, and  
Riechel

Lecturer Fortenbaugh





The study of the civilization of German-speaking peoples, so important for its influence upon the United States, has been an integral part of the liberal arts program of the College since its founding. Learning to read and speak German is not regarded as an aim in itself but as a medium through which the student can gain an appreciation of the literature, art, science, and other cultural achievements of this important segment of Western culture. Immediate and practical purposes are not neglected, and the student who so desires may obtain training in the spoken and written use of the German language for use in advanced research, international trade, diplomacy, or travel, whether he plans a career in teaching, scientific research, or foreign service.

Interest in the Russian language has grown to such an extent that courses are now being offered on three levels. Russian is becoming increasingly important in a variety of fields, and its usefulness as a tool in graduate work is recognized.

In addition to library facilities at the disposal of students, a modern language laboratory supplements work of the classroom by offering further opportunity for oral-aural practice and drill.

Requirements for a major include German 211-212, 301-302, 303-304, 341-342, and two literature courses. The teaching minor consists of 18 hours and must include German 301-302, 303-304, and 341-342.

German 301-302, 303-304, 321-322, 325-326, 329-330, 333-334, 349-350, 353-354, 357-358, and 401-402 and Russian 301-302 may be used in fulfilling the College literature requirement.

## LANGUAGE, LITERATURE, AND CIVILIZATION

### 101-102 ELEMENTARY GERMAN

Staff

An introduction to essentials of German grammar and reading of simple prose and poetry. The written and oral drill of the classroom is supplemented in the laboratory.

*Six hours credit*

### 201-202 INTERMEDIATE GERMAN

Staff

The grammar of the first year is reviewed and selected standard German literary texts are read. Practice in writing and speaking. *Prerequisite:* German 101-102.

*Six hours credit*

### 211-212 HISTORY OF GERMAN CIVILIZATION

Mr. Ahrens

By means of lectures in English the development of German civilization is traced from its beginnings to modern times. Credit is also given in the Department of History.

*Two hours credit*

**301-302 ADVANCED COMPOSITION**

Practice in writing idiomatic German is given through weekly themes. *Prerequisite:* German 201-202 and permission of the instructor. *Two hours credit*

**303-304 ADVANCED CONVERSATION**

Mrs. Langerhans

Training in fluent use of the spoken language with attention to correct pronunciation and idiomatic usage. *Prerequisite:* German 201-202 and permission of the instructor. *Four hours credit*

**321-322 THE CLASSICAL FIELD**

Mr. Ahrens

Representative works from the German classic writers, including Lessing, Goethe, and Schiller are read and discussed. *Prerequisite:* German 201-202.

*Six hours credit*

**325-326 THE NINETEENTH CENTURY**

Mr. Ahrens

Representative works from German Romanticism, Realism, and Naturalism (Hölderlin to Hauptmann) are read and discussed. *Prerequisite:* German 201-202.

*Six hours credit*

**329-330 CONTEMPORARY LITERATURE**

Mr. Sundermeyer

Selections from writers of the twentieth century are read and discussed. *Prerequisite:* German 201-202.

*Six hours credit*

**333-334 GERMAN SCIENTIFIC PROSE**

Mr. Ahrens

Selections of literary merit from authors in the field of the natural sciences are studied, with special emphasis on recognition of grammar and accuracy in translation. *Prerequisite:* German 201-202.

*Six hours credit*

**341-342 COMPARATIVE PHILOLOGY**

Mr. Ahrens

A general introduction to linguistic science, in which the first semester is devoted to development from Indo-European to the Germanic languages, and the second semester to development of modern standard German. *Two hours credit*

**345-346 GERMAN SCIENTIFIC PROSE (advanced)**

Mr. Collier

Students, especially those majoring in the exact sciences, are trained in the reading of literature in their major fields. *Prerequisite:* a proficiency in the reading of German satisfactory to the instructor.

*Two hours credit*

**349-350 GOETHE'S FAUST**

Mr. Sundermeyer

Goethe's *Faust* (parts I and II) is read and studied intensively. *Prerequisite:* German 201-202 with a B average.

*Six hours credit*

**353-354 ADVANCED GERMAN READINGS**

Mrs. Langerhans

Prose, plays, and poetry from the twelfth century to the present are selected for study. *Prerequisite:* German 201-202 and permission of the instructor.

*Six hours credit*

357-358 LUTHER

Mr. Ahrens

The study of Luther's German writings. *Prerequisite:* Six hours in German literature. *Two hours credit*

401-402 SEMINAR IN GERMAN LITERATURE

Mr. Sundermeyer

Designed primarily for German majors and conducted in German. Independent study, geared to the particular interest of the student. Literary criticism. *Prerequisite:* permission of the instructor. *Six hours credit*

## RUSSIAN

101-102 ELEMENTARY RUSSIAN

Mr. Collier

In the first semester emphasis is placed on pattern drill covering most of the major problems of Russian structure; pronunciation and active oral involvement on the part of the student are stressed. The second semester is a process of consolidation and deepening of work covered in the first semester. (At this level the reading of texts is introduced.) Work in the classroom is supplemented in the laboratory. *Six hours credit*

201-202 INTERMEDIATE RUSSIAN

Mr. Collier

The grammar of the first year is reviewed and selected Russian literary texts are read. Practice in writing and speaking Russian. *Prerequisite:* Russian 101-102. *Six hours credit*

301-302 RUSSIAN LITERATURE

Mr. Collier

Representative works of the nineteenth century are read in Russian. Certain works are given special attention. A required reading list of supplementary works in English translation is an integral part of the course. *Prerequisite:* Russian 201-202. *Six hours credit*

## Greek

Professor Shaffer (Chairman)  
Assistant Professor C. R. Held



The department aims to instill in the student something of the creative spirit of the ancient Greeks through a thorough study of the language, history, literature, art, and thought of this exceptionally gifted people; to provide an historical and cultural perspective for the proper understanding of Western Civilization; to give adequate preparation for graduate study in classics and in related fields, such as archaeology, theology, and comparative literature; and to demonstrate the importance, both for the individual and for society, of sound scholarship, academic responsibility, and intellectual honesty.

Requirements for a major include 24 hours above the 101-102 course as approved by the adviser and may include Philosophy 303. Students planning to do graduate work in Greek should also take Latin courses.

Greek 312, 321, 322, 325, 326, 329, 330, 334, and 401 may be used in fulfilling the College literature requirement.

#### 101-102 ELEMENTARY GREEK

Messrs. Shaffer and C. R. Held

An introduction to the reading of ancient Greek. Attention is paid to the history of the language, the relationship between the language and the general culture of the Greeks, and the influence of Greek upon the vocabulary of English and other European languages.

*Six hours credit*

#### 201-202 INTERMEDIATE GREEK

Messrs. Shaffer and C. R. Held

Designed to increase the student's skill in reading and interpreting texts. Selections from Xenophon and Homer are read, and a systematic review of the syntax of Greek is conducted through the use of simple exercises in prose composition. *Prerequisite:* Greek 101-102.

*Six hours credit*

#### 311 GREEK LITERATURE IN ENGLISH

Mr. Shaffer

Selected masterpieces of ancient Greek literature are studied in English translations. Lectures, reports, and informal discussions, with special emphasis upon literary and historical backgrounds of the individual works studied. No historical survey of Greek literature in its entirety is attempted. Knowledge of the Greek language is not required.

*Three hours credit*

#### 312 GREEK MUSIC

Mr. Shaffer

The *Harmonics* of Aristoxenus and other writings of ancient musical theorists are studied. The remains of ancient Greek music are presented through recordings or live performance. *Prerequisites:* an elementary knowledge of music and preferably a knowledge of Greek, since some of the ancient writings on the subject are not available in translation.

*Three hours credit*

#### 315 THE ANCIENT HISTORY OF THE NEAR EAST

Mr. Shaffer

Provides a survey of the civilization of ancient southwestern Asia and Egypt; lectures, reports, and seminars are utilized. Where possible, the assistance of spe-



cialists from related departments is sought. Knowledge of Greek is not required.  
*Three hours credit*

316 GREEK HISTORY Mr. Shaffer

A survey of Hellenic civilization from earliest times to the Hellenistic age, with special emphasis upon the sources. The course is presented through lectures, reports, discussions, and extensive use of audio-visual materials. Knowledge of Greek is not required.  
*Three hours credit*

321 HERODOTUS Mr. C. R. Held

Extensive reading of the Greek text is accompanied by lectures and reports on historical and cultural backgrounds. *Prerequisites:* Greek 101-102 and 201-202.  
*Three hours credit*

322 HOMER Mr. C. R. Held

The *Iliad* or the *Odyssey* is read in the original Greek, with lectures and reports on the cultural backgrounds and the interpretation of Homeric literature. Some attention is given to the language and prosody of Homer. *Prerequisites:* Greek 101-102 and 201-202.  
*Three hours credit*

325 PLATO Mr. C. R. Held

The *Apology* and the *Crito*, with selections from other dialogues chosen primarily to give a coherent picture of Socrates. Lectures, reports, and readings in English introduce the student to a more comprehensive view of Plato's thought. *Prerequisites:* Greek 101-102 and 201-202.  
*Three hours credit*

326 NEW TESTAMENT Mr. Shaffer

Selections from the New Testament and other Hellenistic writings are studied, both for their language and for their content. The student is required to engage in a project designed to familiarize him with the nature of the manuscript tradition of the Greek Bible. *Prerequisite:* Greek 101-102.  
*Three hours credit*

329 GREEK COMEDY Mr. Shaffer

Selected plays in the original Greek and collateral readings in English. Includes lectures and reports on the nature of comedy in general and on the historical and cultural background of individual plays. *Prerequisites:* Greek 101-102 and 201-202.  
*Three hours credit*

330 GREEK LYRIC POETRY Mr. Shaffer

A study of the remnants of classical Greek poetry, with the exclusion of epic and drama. The artistic qualities of the poetry, the dialects in which it is written, its music and rhythms, and its incidental use as source material for the study of ancient Greek civilization. *Prerequisites:* Greek 101-102 and 201-202.  
*Three hours credit*

333 GREEK TRAGEDY Mr. C. R. Held

Selected plays are read with lectures, reports, and discussions of their literary, religious, and philosophical background. Attention is given also to the stage an-

tiquities and the circumstances surrounding production of Greek plays. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit*

334 GREEK ORATORY (†)

Mr. C. R. Held

Selected orations in Greek and the *Rhetoric* of Aristotle in English translation. Lectures and reports deal with the style and structure of the speeches and with their relation to the historical occasions for which they were composed.

*Prerequisites:* Greek 101-102 and 201-202.

*Three hours credit*

401 INDEPENDENT STUDY

Staff

Advanced students are encouraged to initiate and carry out individual projects involving some elements of original research under the guidance of the department.

*Hours and credit arranged*

## Health and Physical Education

Professor Bream (Chairman)

Associate Professors Haas and Kenney

Assistant Professors Carpenter, Glad,

Hulton, Hummel, and Shoemaker

Instructors Biser, Coull, Mitchell, O'Day,  
and Ridinger



One of the aims of the department is to provide worthwhile physical activity and instruction in habits of living which will promote the student's physical well-being and personal enjoyment both in College and afterwards. This aim is accomplished through course work, intramural and intercollegiate athletics, and other activities.

Male students may take Courses 101, 102, 201, and 202 to satisfy the College requirement in physical education or military science. Women students may complete this requirement by taking Courses 103, 104, 203, and 204. All students enrolled in the required physical education program must pass a standard swimming test before graduation. Men students must complete satisfactorily a one semester program in physical fitness.

The department also offers an approved teacher training program for men and women. Requirements for the degree of Bachelor of Science in Health and Physical Education are described on page 31. Those majors who do not take Military Science or Air Science must complete the Health and Physical Education curriculum leading to the Bachelor of Arts degree.

Requirements for a major leading to the arts degree include the following courses: 101 and 102 (103 and 104 for women), 111, 201 and 202 (203 and 204 for women); 212, 301, 302, 303, 304, 305, 311, 314, 317, 318, 325, 329, and 332.

## PHYSICAL EDUCATION

101, 102, 201, 202 SKILL ACTIVITIES: MEN Staff

Participation in a variety of individual and team activities, based upon ability and progress. *Four hours credit*

103, 104, 203, 204 SKILL ACTIVITIES: WOMEN Staff

Women students have a program based on a quarter system. Elective activities and required courses for four credits will satisfy College requirements.

*Four hours credit*

301, 302 SKILL ACTIVITIES: METHODS AND MATERIALS Staff

Methods and techniques of class organization and instruction in a variety of physical education activities. For men and women. *Four hours credit*

303, 304 SKILL ACTIVITIES: METHODS AND MATERIALS Staff

Continuation of 301, 302. For men and women. *Four hours credit*

305 AQUATICS Miss Mitchell and Mr. Coull

Teaching methods and techniques in basic strokes, diving, lifesaving, and water safety. Repeated second semester. *Two hours credit*

307, 308 COACHING AND OFFICIATING Messrs. Haas and Shoemaker

Theory and practice in the fields of coaching and officiating. First semester open to men only. *Four hours credit*

## HEALTH AND PHYSICAL EDUCATION

111 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION, AND RECREATION Miss Kenney and Mr. Carpenter

A general survey of the fields of health education, physical education, recreation, and camping. *Three hours credit*

212 PRINCIPLES AND CURRICULUM PLANNING Mr. Glad

An evaluation of principles and their application in planning a modern physical education program. *Three hours credit*

311 PERSONAL HEALTH Miss Kenney and Mr. Ridinger

Practical aspects of the everyday life of the individual in respect to personal health. Special emphasis is placed upon the acquisition of desirable attitudes toward personal health. *Three hours credit*

314 SCHOOL AND COMMUNITY HEALTH PROBLEMS

Misses Kenney and Mitchell

The role of official and nonofficial community organizations in the health of the individual, from the viewpoint of administration and service.

*Three hours credit*

317 ANATOMY AND PHYSIOLOGY Mr. Glad

A theoretical and practical study of human structure and function. Analysis of the effects of health and physical education activities on the body.

*Three hours credit*

318 PHYSIOLOGY OF EXERCISE AND CORRECTIVES Mr. Glad

A study of motion, with particular emphasis placed upon body mechanics. The remedial steps necessary to overcome specific physical handicaps.

*Three hours credit*

325 ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION,  
AND RECREATION Mr. Haas

Legal and administrative problems, personnel relations, social interpretation, budget and finance, and plant and office management. Senior course.

*Three hours credit*

329 FIRST AID AND SAFETY EDUCATION Mr. Biser

The official Beginners' Red Cross First Aid course, with emphasis on the practical aspects of symptom recognition and safety. *One hour credit*

332 MEASUREMENTS AND EVALUATION IN HEALTH AND  
PHYSICAL EDUCATION Mr. Biser

Written and practical tests in the fields of health and physical education.

*Three hours credit*

350 INTRODUCTION TO RESEARCH IN HEALTH AND  
PHYSICAL EDUCATION Miss Kenney

Fundamental techniques in research. A survey of research completed and needed. *Three hours credit*



# History

Professor Bloom (Chairman)  
Associate Professors Crapster and Glatfelter  
Assistant Professor Bugbee  
Instructors Alexander and J. Bachman



The department aims to acquaint the student with the concept of history as an organized body of knowledge which is "the memory of things said and done" by men in the past. Mastery within this broad field provides an appreciation of history as literature, an understanding of our heritage, and a standard by which one may thoughtfully evaluate our own time. Through guided reading, an introduction to research, and classroom lectures and discussions, the student is encouraged to develop as a liberally educated person. The courses which the department offers help prepare the student for graduate study and for careers such as teaching, law, the ministry, public service, and business.

Requirements for a major include History 201, 202 and 231, 232 in the sophomore year, 375 in the junior year, and 401 or 402 in the senior year. French 316, German 211-212, Greek 316, and Latin 315 may be counted in fulfilling the requirements for a major. English majors and prelaw students are advised to take History 203, 204.

201, 202 HISTORY OF WESTERN CIVILIZATION Mr. Alexander

The first semester covers the period from the Mesopotamian civilizations to the dawn of the modern age, stressing political and institutional development. The second semester continues to the present decade, with increasing concentration of material after 1815.

*Six hours credit*

203, 204 HISTORY OF ENGLAND Mr. Crapster

Surveys English history from Roman times to the present, emphasizing institutional and cultural developments. Some attention is given to Ireland, Scotland, and the overseas empire. The dividing point between the courses is 1689.

*Six hours credit*

231, 232 HISTORY OF THE UNITED STATES

Messrs. J. Bachman and Bugbee

An introduction to advanced American history courses and a survey for non-history majors. A study of American history from the early discoveries to the present.

*Six hours credit*

234 AMERICAN ECONOMIC HISTORY

Mr. Bugbee

Emphasis is placed upon the economic incentives for exploration and settlement, the influence of the westward movement upon transportation, the growth of industry and labor, the Agricultural Revolution, the problems of currency and finance, and the developing relationship between government and business.

*Three hours credit*

311, 312 MEDIEVAL EUROPE TO 1500 (†)

Mr. Alexander

Beginning with the accession of Diocletian, History 311 sketches the German, Roman, and Christian bases of medieval civilization and traces their development through the Benedictine centuries. History 312 commences with the mid-eleventh century and continues to approximately 1500. Cultural and intellectual developments are included, and some consideration is given to Eastern Europe.

*Prerequisite:* History 201.

*Six hours credit*

313 EUROPE FROM THE RENAISSANCE TO 1763

Mr. J. Bachman

Begins with the rise and spread of Renaissance culture, continues with an examination of the causes, progress, and results of the Protestant revolt, and includes the development of the Age of Science and the Enlightenment. *Prerequisite:* History 201, 202.

*Three hours credit*

314 EUROPE IN THE FRENCH REVOLUTIONARY AND  
NAPOLEONIC ERAS

Mr. Crapster

Following a general survey of political, economic, social, and intellectual currents in Europe on the eve of the French Revolution, developments in France and her relations with the rest of Europe between 1789 and 1815 are studied intensively. *Prerequisite:* History 202.

*Three hours credit*

315 EUROPE FROM 1815 TO 1919

Mr. Crapster

European history is examined in its world setting from the Congress of Vienna to the end of the First World War. Revolutionary movements and diplomatic history receive special emphasis. *Prerequisite:* History 202.

*Three hours credit*

316 EUROPE SINCE 1919

Mr. J. Bachman

Attention is concentrated upon international problems and internal affairs of the leading states, beginning with the Treaty of Versailles. Particular notice is taken of the Nazi revolution in Germany and the origins of the Second World War, its progress, and its aftermath. *Prerequisite:* History 202.

*Three hours credit*

321, 322 HISTORY OF RUSSIA

The first semester develops the course of Russian history to the mid-nineteenth century, with emphasis on the period since 1600. The second semester brings the development through 1956. Considerable attention is devoted to intellectual history, foreign relations, and institutional development. *Prerequisite:* History 201, 202.

*Six hours credit*

331 AMERICAN CONSTITUTIONAL HISTORY Mr. Bloom

Beginning with a brief look at the European and colonial origins of American political thought and practice, consideration is given to developing political theories, judicial interpretations, and institutional forms which compose the American constitutional system today. *Prerequisite:* History 231, 232.

*Three hours credit*

332 DIPLOMATIC HISTORY OF THE UNITED STATES Mr. Glatfelter

A study of the conduct of American diplomacy since 1776, emphasizing the interplay between domestic and foreign policies. *Prerequisite:* History 231, 232.

*Three hours credit*

341 THE AMERICAN COLONIAL PERIOD Mr. Bugbee

Commencing with the European background of the settlement of North America, stress is placed upon economic, social, and constitutional developments to 1763. Attention is given to the impact of mercantilism, European rivalries in America, and attempts to achieve intercolonial unity. *Prerequisite:* History 231.

*Three hours credit*

345 CIVIL WAR AND RECONSTRUCTION Mr. Bloom

An examination of the contrasting cultures of the antebellum North and South, the problems of territorial settlement after 1846, the failure to fix upon an acceptable compromise of sectional differences, the outbreak and progress of armed conflict, and the economic and political currents set in motion by the Civil War. The problems associated with the Reconstruction era are also studied. *Prerequisite:* History 231.

*Three hours credit*

349 THE UNITED STATES FROM 1899 TO 1939 Mr. Glatfelter

An intensive study of selected aspects of the period from the beginning of the century through the years of the New Deal, and including Progressivism, the First World War, and the Twenties. *Prerequisite:* History 232.

*Three hours credit*

350 THE UNITED STATES SINCE 1939 Mr. Bloom

The domestic and diplomatic problems of American participation in the Second World War, the demands made upon the United States as a leading power in the postwar world, and the degree to which the American people have adapted themselves to our rapidly changing times. *Prerequisite:* History 232.

*Three hours credit*

354 HISTORY OF PENNSYLVANIA Mr. Glatfelter

A study of the political, economic, and cultural aspects of Pennsylvania history, including relationships with other states and the federal government. *Prerequisite:* History 231, 232.

*Three hours credit*

375 HISTORICAL METHOD Mr. Glatfelter

A study of the methods employed in historical research, the development of

historical writing, and some of the significant views or explanations of history.  
*Three hours credit*

#### 401 SENIOR SEMINAR

Staff

Open only to majors of high standing upon the invitation of the instructor. Examines related topics in history. Research papers written during the course of the seminar may be submitted in lieu of the History 402 thesis. Repeated second semester.  
*Three hours credit*

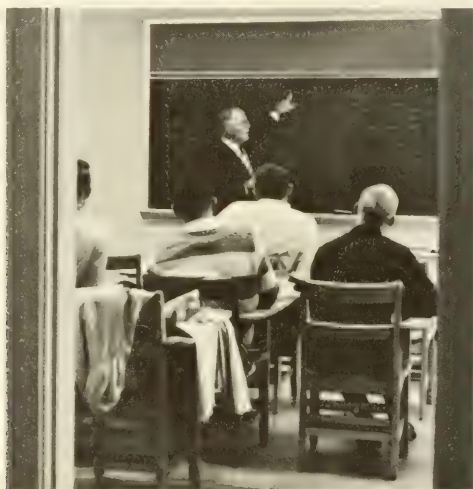
#### 402 SENIOR RESEARCH THESIS

Staff

Required of majors in History. Offers practice in the criticism and use of historical sources in preparation of a senior thesis. The research and writing conducted by each student is carefully supervised by a member of the staff. *Prerequisite: History 375.*  
*Two hours credit*

## Latin

Professor Glenn (Chairman)  
Assistant Professor C. R. Held



The main objectives of the department are to assist those who are seeking to gain a reasonable mastery of the English language and literature by helping them to lay a broad and deep foundation; to give an intimate familiarity with certain great Latin authors whose masterpieces have exercised a continuous influence on human thought for twenty centuries; to give the student such a knowledge of metrics and literary forms as will enable him to understand the artistry as well as the content of these masterpieces; to afford those who expect to devote themselves to the various forms of writing an opportunity to perfect their powers of thought and expression by exercises in translation; to introduce those



who are seeking a liberal culture to a knowledge of Roman life, religion, philosophy, art, law, and political institutions, that they may better understand the sources from which our own civilization has sprung; to help the prospective students of law, the sciences, and theology to understand the terminology of their future professions; and to equip adequately those who wish to teach Latin.

Requirements for a major include Latin 203, 204, 301-302, 315, 322, 323, 324, 325, 326, and 331. Students planning to do graduate work in Latin should take College Greek courses.

Latin 201-202 may be used to meet the foreign language requirement above the 101-102 course or for the second language requirement. Latin 203, 204, 321, 322, 324, 325, 326, and 331 may be used in fulfilling the College language requirement above the 101-102 course, the literature requirement, or the second language requirement.

201-202 VERGIL

Mr. Glenn

Selections from the *Aeneid*. *Prerequisite*: two years of secondary school Latin.  
*Six hours credit*

203 ROMAN PROSE AND POETRY

Mr. Glenn

Selections from Livy, Catullus, and other authors. *Prerequisite*: four years of secondary school Latin or Latin 201-202.  
*Three hours credit*

204 HORACE

Mr. Glenn

Selections from the *Odes*, *Epodes*, and *Satires*.  
*Three hours credit*

301-302 LATIN PROSE COMPOSITION

Mr. Glenn

*Two hours credit*

303, 304 WORD BUILDING

Mr. Glenn

For premedical students and those of other sciences who desire to become familiar with scientific terminology: roots, prefixes, endings, and key words. The knowledge of Latin, while very useful, is not required.  
*Two hours credit*

312 LATIN LITERATURE IN ENGLISH (†)

Mr. C. R. Held

An historical and critical survey of Roman literature with a more intensive study of selected works. Attention is given to the relation of Roman literature to other literatures. A knowledge of Latin is not required.  
*Three hours credit*

315 ROMAN HISTORY AND CIVILIZATION

Mr. C. R. Held

The history of the Republic and Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, and private life, and their influence on modern life. A knowledge of Latin is not a requirement.  
*Three hours credit*

321 ROMAN COMEDY (†)

Mr. C. R. Held

Selections from Plautus and Terence. Survey of the Roman theater; origin and development of Roman drama. *Three hours credit*

322 CICERO'S LETTERS

Mr. C. R. Held

Life and literature in Cicero's time. *Three hours credit*

323 ROMAN LAW (†)

Mr. Glenn

Development and content of Roman private law. A knowledge of Latin is not required. Alternates with Latin 325. *Two hours credit*

324 ROMAN PHILOSOPHY (†)

Mr. Glenn

Lucretius, *On the Nature of Things*. Alternates with Latin 326. *Two hours credit*

325 MEDIEVAL LATIN

Mr. Glenn

Selections representing history, anecdote, epistle, drama, essay, dialogue, novel, and epic lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth to the seventeenth centuries. Alternates with Latin 323. *Two hours credit*

326 ROMAN ELEGY

Mr. Glenn

Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research. Alternates with Latin 324. *Two hours credit*

331 ST. AUGUSTINE

Mr. C. R. Held

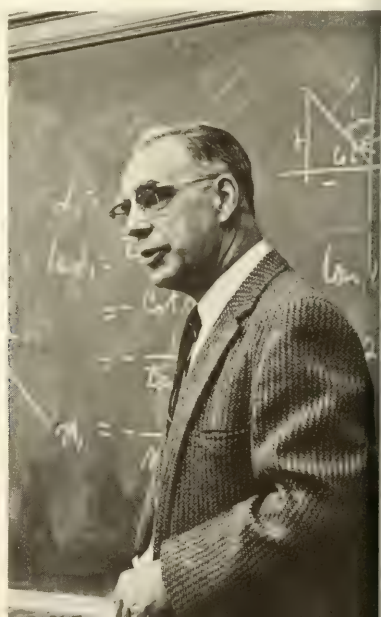
Selections from the first nine books of the *Confessions*. An introduction to the life and thought of the greatest of the Latin Church fathers. *Three hours credit*

## Mathematics

Professor Arms (Chairman)

Associate Professors Moorhead and Ziegler

Assistant Professors Butterfield and Fryling



Courses in Mathematics comprise those covering minimum essentials in college mathematics up to and including calculus (listed as basic courses) and elective courses affording an ample choice of specialization preparatory to graduate study or other work. There are general courses for students who do not plan to use the subject in their vocation.

No one should elect Mathematics as his major subject unless he has shown considerable aptitude and skill in algebra, analytical geometry, and calculus. Requirements for a major include Mathematics 201-202 or 205-206 and remaining hours chosen from several of the elective course groups below. Students preparing for graduate study in pure Mathematics should take a course in geometry, two in algebra, and at least three in analysis. Those going into applied Mathematics should take all the analysis courses and at least one in algebra. Students preparing for work in industry or government service should take all the algebra courses and at least one of the analysis courses. For a position in finance, several of the algebra courses, Statistics, and Mathematics of Investment should be included.

Candidates for secondary school teaching positions should take courses 341-342 and 343-344 and at least one course in each of geometry, algebra, and analysis.

Courses in Financial Mathematics may be used as part of the course requirements for a major in Economics.

## BASIC COURSES

### 101 COLLEGE ALGEBRA    Messrs. Arms, Butterfield, Moorhead, and Ziegler

Fundamental operations of algebra: linear equations, simultaneous solutions, exponents, radicals, and quadratic equations. Advanced topics include determinants, variation, the progressions, ratio and proportion, the binomial theorem, and mathematical induction. This course should be taken by any student who will need training in these topics for use in Economics, Psychology, Chemistry, Physics, and Mathematics.

*Three hours credit*

### 102 PLANE TRIGONOMETRY

Messrs. Arms, Butterfield,  
Moorhead, and Ziegler

Analytical topics include the fundamental definitions, graphs, identities, and formulas needed for future work in Mathematics and training in calculation, the use of common logarithms, and the solution of right and oblique triangles. This course is needed for work in Physics, Chemistry, and Mathematics.

*Three hours credit*

### 103-104 INTRODUCTORY COLLEGE MATHEMATICS

Messrs. Butterfield and Moorhead

An introduction to the fundamental concepts of mathematics and a survey of

the new and old in the mathematical disciplines, particularly as illustrated in probability, statistics, the physical sciences, art, economics, and engineering. Emphasis is placed upon principles and ideas. *Prerequisites*: one unit of algebra and one of geometry. This course is intended for students who do not plan to take another course in basic Mathematics. *Six hours credit*

## 105-106 ELEMENTARY ANALYSIS

Messrs. Butterfield,  
Moorhead, and Ziegler

Primarily for freshmen who have had three or more entrance units in Mathematics, preferably including trigonometry. A review of advanced algebra and trigonometry, a careful study of analytical geometry, and a brief introduction to differentiation and integration. *Six hours credit*

## 201-202 ANALYTICAL GEOMETRY AND CALCULUS

Mr. Arms

Intended for freshmen who plan to major in Mathematics and the physical sciences. It enables the student to complete the requirement in basic courses by the end of his freshman year. Topics included are plotting, the straight line, functions, limits, the derivative, velocity, acceleration, maxima and minima, indefinite and definite integrals, the conic sections, polar coordinates, parametric equations, curvature, indeterminate forms, infinite series, Taylor's formula, solid analytical geometry, partial derivatives, and multiple integrals. This course is strongly recommended for freshmen of superior ability and for sophomores who have superior records in courses 101 and 102. *Eight hours credit*

## 203-204 SECONDARY ANALYSIS

Mr. Ziegler

Similar to 105-106 but the order of topics is different, and the review of algebra and trigonometry is minimized. Considerably more time devoted to elementary calculus and some work in solid analytical geometry. *Prerequisites*: Mathematics 101 and 102. *Six hours credit*

## 205-206 DIFFERENTIAL AND INTEGRAL CALCULUS

Messrs. Fryling and Moorhead

As with 201-202, completes work in the basic courses. Topics included are functions, limits, derivatives, velocity, acceleration, tangents and normals, maxima and minima, definite and indefinite integrals, indeterminate forms, infinite series, Taylor's formula, partial derivatives, and multiple integrals. This course (or 201-202) should be taken by all majors in Mathematics or in science who wish to offer Mathematics as a minor. *Prerequisite*: Mathematics 105-106 or 203-204. *Six hours credit*

## ELECTIVE COURSES

## ALGEBRA

## 301-302 MATRICES AND VECTOR SPACE

Mr. Fryling

Recommended for students planning to enter industry or government service for computer work or the like and for students of modern physics and allied sub-



jects. Matrices and their applications are emphasized with an introduction to linear algebra and quadratic forms. *Prerequisite:* Mathematics 105-106 or 203-204. *Four hours credit*

### 303-304 PROBABILITY

Mr. Fryling

Intended to supplement 301-302. While it is not essential to take 301-302 and 303-304 simultaneously, the program should include both of these courses if the student plans to enter government service or private industry. *Prerequisite:* Mathematics 105-106 or 203-204. *Four hours credit*

### 305-306 THEORY OF EQUATIONS

Mr. Fryling

Approximate and exact solutions, Cardan's formula, symmetric functions, and the theory of substitution groups. *Four hours credit*

### 307-308 MATHEMATICAL STATISTICS

Mr. Fryling

Emphasizes the essential mathematical background of modern statistics. It must be distinguished from Mathematics 352. *Prerequisite:* calculus. *Six hours credit*

## GEOMETRY

One of these courses is generally offered each year. It is usually possible for the interested student to program all of these during his college course, since calculus is not a prerequisite.

### 311-312 COLLEGE GEOMETRY (SYNTHETIC)

Mr. Moorhead

The extension of plane geometry to topics not included in the elementary course, particularly in a detailed study of the triangle. *Four hours credit*

### 313-314 ANALYTICAL GEOMETRY OF SPACE

Mr. Moorhead

The study of the line and curve in space, relation of plane and line and the theory of quadratic surfaces. *Four hours credit*

### 315-316 PROJECTIVE GEOMETRY (SYNTHETIC)

Mr. Moorhead

Nonmetric plane and space geometry. The theory of perspective and projective relations. *Four hours credit*

## ANALYSIS

All these courses are usually offered every year. Calculus is a prerequisite. Differential Equations is a basic course and should be taken by all Mathematics and Physics majors. Higher Calculus should be taken by students preparing for graduate school in Mathematics, Physics, or Engineering. The function-theory courses are strongly urged for students intending to do graduate work.

**321-322 DIFFERENTIAL EQUATIONS**
**Mr. Arms**

Methods of solving differential equations of the first order and first or higher degree linear equations with constant coefficients, the Laplace transform, solution in series, and an introduction to solution of partial differential equations, particularly by use of Fourier Series.

*Four hours credit*
**323-324 HIGHER CALCULUS**
**Mr. Fryling**

Includes such topics as partial differentiation, Jacobians, directional derivatives, multiple integrals, line integrals, infinite series with tests for convergence, gamma functions, and similar topics.

*Four hours credit*
**325-326 THEORY OF FUNCTIONS OF A COMPLEX VARIABLE**
**Mr. Fryling**

The Argand-Gauss diagram, modulus and amplitude, the elementary functions, mapping, continuity, analytic functions, the Cauchy-Integral formula, Taylor and Laurent Series, residues, Riemann surfaces, and the application of conformal mapping to boundary value problems.

*Four hours credit*
**327-328 THEORY OF FUNCTIONS OF A REAL VARIABLE**
**Mr. Arms**

The foundations of analysis, the Peano axioms, mathematical induction, the Dedekind theory, infinite sequences and limits, continuity of functions, the basic theory of differentiation, point set theory, Lebesgue measure, and the Riemann-Stiljes integral.

*Four hours credit*
**METHODS OF TEACHING**

These courses are primarily for students intending to teach secondary school mathematics. In some states the Methods course is required for certification.

**341-342 METHODS OF TEACHING SECONDARY MATHEMATICS**
**Mr. Ziegler**

The history and foundations of elementary mathematics, the secondary curriculum and its current revision. Observations in basic mathematics and practice teaching as far as possible. A complete review of the content of secondary courses.

*Four hours credit*
**343-344 READING COURSE**
**Mr. Moorhead**

Assignments in collateral reading with reports and discussion. Topics are chosen to meet individual aims of the student.

*Two hours credit*
**FINANCIAL MATHEMATICS**

These courses are intended for students who plan to enter industry in a financial, accounting, or managerial capacity. They can be counted toward a major in Economics. The prerequisite is Mathematics 101 or equivalent work in secondary school algebra.

351 MATHEMATICS OF INVESTMENT

Mr. Ziegler

Commercial and financial applications of algebra, including progressions and logarithms. Simple and compound interest, installment payments, amortization, annuities, life insurance, bond valuation, and similar topics. *Three hours credit*

352 ELEMENTARY STATISTICS

Messrs. Krum and Ziegler

Intended for the student who wishes to use statistics without emphasizing the mathematics approach. Use of graphic methods, the median, mode, and mean; deviations, trend, and elementary correlation theories are included. Offered each semester. *Three hours credit*

353-354 COST ACCOUNTING

Mr. Arms

Complete practice work in process costs, job order costs, and standard costs is included, as well as budget and estimating accounting. *Prerequisite:* elementary accounting. *Six hours credit*

## Music

Professors Wagnild (Chairman) and Shaffer

Associate Professor Ackley

Assistant Professors Danfelt and Peterson

Instructor Buddé

Lecturer Kadel

Private music teachers Heikkinen, Mummert,  
and Springer



The department offers theoretical and practical instruction in Music with programs leading to a Bachelor of Arts degree with a major in Music or a Bachelor of Science degree with a major in Music Education. In addition, courses in music appreciation and opportunities for participation in vocal and instrumental organizations are available. Individual instruction in voice, piano, organ, and standard band and orchestral instruments is offered by appointment. An informal audition is required of all candidates majoring in Music or Music Education. Appointments for auditions should be made through the College Admissions Office.

The program leading to the Bachelor of Science degree in Music Education (see page 31) satisfies the certification requirements for teaching or supervising music in elementary and secondary schools.

Requirements for a major in Music leading to a Bachelor of Arts degree comprise a minimum of 24 hours, including Music 203-204, 301-302, 311-312, and 321-322, and other courses upon the advice of the chairman of the department.

Requirements in applied music are as follows: (1) two years' participation in an authorized group organization, and two years of private instruction in voice, piano, organ, or another instrument authorized by the department (a thesis or additional private study may be substituted for group participation at the discretion of the department); and (2) presentation of a recital in the junior or senior year (in special cases a standard proficiency test may be substituted for a recital).

Music 101, 103, 104, 311, and 321 may be used in fulfilling the distribution requirement in Music.

#### 101 APPRECIATION OF MUSIC

Miss Kadel and Messrs.  
Danfelt, Peterson, and Shaffer

The principal musical forms are discussed against the background of the other arts. Intensive listening is an essential part of the course. Repeated in second semester.

*Two hours credit*

#### 103 APPRECIATION OF THE SYMPHONY

Miss Kadel and Messrs.  
Danfelt, Peterson, and Shaffer

The standard symphonic repertoire is listened to and discussed, and is related to its cultural setting.

*Two hours credit*

#### 104 APPRECIATION OF MUSIC DRAMA

Mr. Shaffer

Standard operatic works are listened to and discussed as examples of drama and music.

*Two hours credit*

#### 111-112 WOODWIND INSTRUMENT CLASS

Mr. Danfelt

Instruction in the technique of woodwind instruments, using the clarinet as the basic instrument.

*Two hours credit*

#### 113-114 BRASS INSTRUMENT AND PERCUSSION CLASS

Mr. Danfelt

Instruction in the technique of the brass instruments with trumpet or cornet as the basic instrument. Practical work is included with percussion instruments.

*Two hours credit*

#### 115-116 STRINGED INSTRUMENT CLASS

Mr. Mummert

Instruction and practice in the techniques of stringed instruments and the organization of a string section.

*Two hours credit*



141-142 SIGHT-SINGING AND DICTATION

Miss Kadel

Instruction and intensive drill in singing and writing intervals, melodies, triads, and rhythmic figures. *Four hours credit*

201 ADVANCED SIGHT-SINGING AND DICTATION

Miss Kadel

Instruction and drill in singing and writing the more difficult melodies, harmonic, and rhythmic figures is continued. Emphasis is given to the development of tonal memory and to aural and visual analysis of musical structures.

*Two hours credit*

203-204 HARMONY

Mr. Wagnild

A study of scale and chord structure, chord relationship, nonchordal tones and simple modulation. *Six hours credit*

205-206 CHORAL AND INSTRUMENTAL CONDUCTING

Mr. Wagnild

Technique of the baton, fundamentals of choral and instrumental interpretation, problems of organization, repertoire, and maintenance of groups.

*Four hours credit*

220 ELEMENTARY METHODS

Miss Kadel

The methods and materials of teaching Music in the elementary grades are reviewed. Elementary music appreciation methods, discussion of the child voice, and the development of rhythm and feeling for music. *Three hours credit*

221 JUNIOR AND SENIOR HIGH SCHOOL METHODS

Miss Kadel

The principles and procedures in teaching Music in the junior and senior high school. Study of the adolescent voice and its care and of the methods and materials relative to the organization of various singing and playing ensembles. The evaluation of material, methods, and techniques. *Three hours credit*

301-302 ADVANCED HARMONY

Mr. Wagnild

A comprehensive survey in which emphasis is placed on modulation and the use of chromatic alterations of diatonic chords in harmonizing melodies. An aural approach to harmonic effects is also intensively pursued. *Six hours credit*

303-304 COUNTERPOINT

Mr. Peterson

The contrapuntal technique of the sixteenth century is introduced through the study of plain song and early motets. Composition in the small forms is a part of the course. *Four hours credit*

305 ORCHESTRATION

Mr. Danfelt

Instruction is given in the transposing, arranging, and coloring for the various instruments. *Three hours credit*

311-312 HISTORY OF MUSIC

Mr. Ackley

A survey of the development of musical art from ancient to modern times. Extensive listening to and reading of illustrative material are required.

*Six hours credit*

### 321-322 MUSICAL FORM AND ANALYSIS

Mr. Ackley

Motive, phrase, period, and song forms are studied. Binary and ternary forms of composition, the invention, fugue, sonata, and symphony are included. *Prerequisite:* Music 203-204. *Four hours credit*

### 351 STUDENT TEACHING

Staff

Students are assigned to teach in public schools in cooperation with, and under the supervision of, experienced teachers. Individual conferences with the College supervisor and supervising teacher are required. Repeated in second semester. *Twelve hours credit*

## APPLIED MUSIC

The department offers instruction in voice, piano, pipe organ, and the more common instruments. The repertoire is adapted to the student's ability. One hour credit is given for one half-hour private lesson per week per semester.

The department also sponsors various musical organizations, including the choir, band, and orchestra. All regular College students are eligible to audition for any of these, either at the beginning of the school year or other times by appointment.

One hour credit is given per semester for membership in the choir or band upon the student's completion of four hours of course instruction in the department, exclusive of applied music and music appreciation courses.

No student may offer more than eight hours of applied music toward a Bachelor of Arts degree.

### 121 VOICE

Miss Buddé and Mr. Ackley

Training in fundamentals of voice culture with emphasis upon breath control, resonance, tone quality, diction, pronunciation, and an appreciation of the best works of the masters. Repeated second semester. Fee for one half-hour lesson per week per semester: \$35. *One hour credit*

### 123 PIANO

Mrs. Heikkinen and Mr. Springer

Instruction in the development of touch, rhythm, expression, and interpretation. Repeated second semester. Fee for one half-hour lesson per week per semester: \$35. Fee for a forty-minute lesson per week per semester: \$40. *One hour credit*

### 125 PIPE ORGAN

Mrs. Heikkinen and Mr. Springer

Primary attention is directed to the acquisition of technique and independence in playing upon the manuals and pedals. *Prerequisite:* satisfactory piano

technique. Repeated second semester. Fee for one forty-minute lesson per week per semester: \$45.  
*One hour credit*

127 INSTRUMENTAL INSTRUCTION

Mr. Danfelt

Instruction is available in most common band and orchestral instruments. Repeated second semester. Fee for one half-hour lesson per week per semester: \$35.  
*One hour credit*

131 CHOIR

Mr. Wagnild

The best of choral literature is studied intensively. In addition to appearances in nearby cities, a two-week concert tour is taken each spring. Five rehearsals weekly.  
*One hour credit*

133 BAND

Mr. Danfelt

Membership in the band, which is open to men and women, depends entirely on the individual's musical ability and interest. The band plays at athletic events and during the second semester gives concerts on the campus and in nearby cities. Three rehearsals weekly.  
*One hour credit*

## Philosophy

Professor Richardson (Chairman)

Associate Professor Schubart

Assistant Professor Coulter



Philosophy is the study of such questions as: What is man? What is the nature of the universe? and What is knowledge? These questions are raised by the particular intellectual disciplines: fine arts, literature, theology, natural sciences, and social sciences. Philosophy examines and relates the knowledge obtained by these particular disciplines and aims at comprehending the significance of this knowledge for answering such questions.

Courses in the department are based upon detailed and systematic study of classic and current examples of philosophical literature. Philosophical analyses are traditionally classified as metaphysics, theory of knowledge (including inductive and deductive logic), and value theory (ethics and aesthetics). These classifications provide the basis for systematic treatment of philosophical thought and its relations to the other particular disciplines.

Philosophy courses are an integral part of the liberal arts curriculum. The general student will find the stress on understanding and evaluating ideas a foundation for intelligent action both as an individual and as a citizen. The student preparing for graduate work in many of the professions will find that he has acquired the breadth of background which graduate schools regard as important. The student who wishes to pursue a more detailed and technical study of philosophy will receive necessary preparation for graduate work in this field.

Requirements for a major are 30 semester hours as chosen in consultation with the department. Except with its permission, Philosophy 201, or 301 and 302, is prerequisite for all other courses. Bible 311, Bible 316, and Greek 325 may be included in the major with the permission of the department.

## 201 INTRODUCTION TO PHILOSOPHY

Mr. Richardson

The main approaches to philosophy: scientific, aesthetic, ethical, religious, and linguistic. Their assumptions, methods, and results are analyzed with a view to giving the student both tools and motive for building his own philosophy.

*Three hours credit*

## 301-302 LOGIC

Messrs. Coulter and Schubart

The first semester deals with the principles of clarity in language and formal structure in thought, and their application. The second deals with principles involved in attaining reliable knowledge of any subject matter, with emphasis on the humanities and social sciences.

*Six hours credit*

## 303-304 HISTORY OF PHILOSOPHY

Mr. Coulter

A study of major philosophers and their writings relating primarily to metaphysics and epistemology from the early Greeks through Kant.

*Six hours credit*

## 305 HISTORY OF ETHICS

Mr. Schubart

The most significant philosophies of ethics from the Greeks to the present.

*Three hours credit*



306 PRINCIPLES OF ETHICS Mr. Schubart

An analysis of the principles of ethics, such as value, obligation, and law, and their application to individual and social problems. *Prerequisite: Philosophy 305.* *Three hours credit*

308 AESTHETICS Mr. Schubart

A study of various philosophies of the creation, appreciation, and evaluation of works of art. *Three hours credit*

320 NINETEENTH CENTURY PHILOSOPHY Mr. Richardson

A study of major philosophies of the nineteenth century, especially the philosophical idealism of Kant and Hegel as a criticism of the Enlightenment and a major constructive attempt, as well as the major critics of idealism: Kierkegaard, Marx, and Nietzsche. *Three hours credit*

321 TWENTIETH CENTURY PHILOSOPHY Mr. Schubart

An analysis of contemporary philosophies including realism, pragmatism, logical empiricism, experimental naturalism, and existentialism. The course is conducted as a seminar and offers each student opportunity to make a thorough study of one contemporary philosopher or philosophy. *Three hours credit*

331 PHILOSOPHY OF RELIGION Mr. Richardson

An analytical and constructive study of the meanings of our present religious beliefs. *Three hours credit*

333 PHILOSOPHY OF SCIENCE Mr. Coulter

A study of scientific knowledge: the ideals, presuppositions, methods, and values which its proponents and opponents have thought to be characteristic of it. Special emphasis will be placed upon contributions of logical analysis to the clarification or resolution of these issues. *Three hours credit*

334 PHILOSOPHY OF HISTORY Mr. Coulter

An examination of two aspects of philosophical reflections on history: the metaphysics of history as found in such writers as Kant, Hegel, Marx, Comte, and Toynbee; and the nature of historical knowledge as compared to science, art, and other disciplines. *Three hours credit*

401 INDEPENDENT STUDY Staff

With consent of the department, majors may take a course of directed reading under supervision of individual members of the staff. Repeated second semester. *Credit arranged*

402 SENIOR SEMINAR Mr. Richardson

An advanced seminar for philosophy majors, in which one contemporary problem will be studied and solutions suggested from the varying points of view of major philosophical thinkers. *Three hours credit*

## Physics

Professor Mara (Chairman)  
Assistant Professors Daniels, Haskins,  
Hendrickson, and Scott  
Lecturer Corbin



Courses in the department are designed to emphasize analytical reasoning and unifying principles of Physics as distinct from mere accumulation of facts and techniques. Nevertheless, students are required to master certain experimental techniques, understand the theory of errors, and perform accurate measurements.

The department offers many opportunities for interested students to take part in informal discussions with each other and with the staff. Students are encouraged to participate. Only by taking part can students realize that physics is an activity rather than an inert body of knowledge.

Physics majors and preengineering students normally take Physics 111-112 and Mathematics 201-202 in the freshman year. Certain of those whose mathematical preparation is incomplete may take Mathematics 105-106 in place of 201-202. Because of graduate school requirements and the wide literature of Physics in German and Russian, majors are strongly urged to fulfill their language requirement in one of these languages. Freshman Physics majors who are not prepared to enter an intermediate language course should wait until the sophomore year to begin language studies. Preengineering students must register for a language course in the freshman year.

Physics majors must complete Mathematics 321-322 and 323-324. Honor students majoring in Physics normally take the Physics Seminar 411-412 in the junior year and the Physics Seminars 421-422 and 431-432 in the senior year. Qualified students not majoring in the department are also encouraged to take these courses. Seminars usually meet for one afternoon a week, and students electing these courses should be prepared to do extensive independent reading and studying.

## 101-102 GENERAL PHYSICS

Mr. Scott

Designed for students not majoring in science or Mathematics. Aims to acquaint the student with the nature and methods of physical theory and experiment by a systematic development of the essentials of mechanics and electricity, and to provide him with an understanding of modern physics sufficient to enable him to think intelligently about the varied consequences of modern physical theory. Credit is not given for both this course and Physics 111-112. *Prerequisite*: competence in the algebra usually covered in two years of high school algebra or the permission of the instructor. Three class hours and three laboratory hours. *Eight hours credit*

## 105 DESCRIPTIVE GEOMETRY

Mr. Corbin

The use and care of instruments. Lettering. The theory of projection drawing in preparation for solving engineering problems by projection and revolution of points, lines, and planes. Required for all preengineering students. Does not count toward a major or minor in Physics. Three two-hour meetings. *Two hours credit*

## 106 ENGINEERING DRAWING

Mr. Corbin

Intersections and developments. Assembly and detail drawings. Sections and dimensions. Required for all preengineering students. *Prerequisite*: Physics 105 or permission of the instructor. Does not count toward a major or minor in Physics. Three two-hour meetings. *Two hours credit*

## 111-112 INTRODUCTORY PHYSICS

Messrs. Mara and Hendrickson

An introduction to the fields of mechanics, heat, electricity, magnetism, and light. The rudiments of calculus are introduced and used throughout. *Prerequisite*: Mathematics 105-106 or 201-202 (may be taken concurrently). Three class hours, one conference hour, and three laboratory hours. *Eight hours credit*

## 201-202 ENGINEERING MECHANICS

Mr. Daniels

The fundamental principles of statics and dynamics with emphasis on analysis and problem solving. Required for all preengineering students. *Prerequisites*: Physics 111-112 and calculus. *Six hours credit*

## 205 INTRODUCTION TO MODERN PHYSICS

Mr. Scott

A study of the experimental phenomena and their interpretation leading to modern atomic theory. Special relativity, atomic particles, photoelectric effect, x-rays, wave-particle duality, and the Bohr atom. *Prerequisites*: Physics 111-112 and calculus or the permission of the instructor. Three class hours and three laboratory hours. *Four hours credit*

## 212 INTERMEDIATE MECHANICS

Mr. Scott

Newton's laws of motion, energy, and momentum. Special emphasis is placed on periodic motion, waves, and pulses. *Prerequisites*: Physics 111-112 and calculus or the permission of the instructor. Three class hours and three laboratory hours. *Four hours credit*

301-302 ELECTRONICS

Mr. Daniels

Analysis of direct and alternating current circuits, principles of electron tubes and semiconductor devices, circuits with tubes and transistors. *Prerequisites:* Physics 111-112 and calculus. Three class hours and three laboratory hours.

*Eight hours credit*

311-312 ELECTRICITY AND MAGNETISM

Mr. Hendrickson

The theory of classical electric and magnetic static fields and electromagnetic fields. An introduction to vector calculus is given at the start of the course. *Prerequisites:* Physics 111-112 and calculus.

*Six hours credit*

321-322 THEORETICAL PHYSICS

Mr. Mara

The partial differential equations and special functions of physics; Lagrange equations of motion; thermodynamics and statistical mechanics. *Prerequisites:* Physics 111-112 and Mathematics 321-322.

*Six hours credit*

331-332 MODERN PHYSICS

Mr. Haskins

Special relativity, Planck's theory of black body radiation, quantum mechanics, atomic structure, quantum statistics, band theory of solids, nuclear structure, systematics of nuclear stability, nuclear models, nuclear forces, nuclear reactions, and particles. *Prerequisites:* Physics 205 and 311-312 and Mathematics 321-322. Three class hours and three laboratory hours.

*Eight hours credit*

411-412 ELECTRICITY AND MAGNETISM SEMINAR

Mr. Hendrickson

Covers the same fields as Physics 311-312. *Prerequisites:* Physics 111-112, calculus, and the permission of the instructor. One seminar afternoon.

*Six hours credit*

421-422 THEORETICAL PHYSICS SEMINAR

Mr. Mara

Covers the same fields as Physics 321-322. *Prerequisites:* Physics 111-112, Mathematics 321-322, and the permission of the instructor. One seminar afternoon.

*Six hours credit*

431-432 MODERN PHYSICS SEMINAR

Mr. Haskins

Covers the same fields as Physics 331-332. *Prerequisites:* Physics 205 and 311-312, Mathematics 321-322, and permission of the instructor. One seminar afternoon and one laboratory afternoon.

*Eight hours credit*

451-452 INDEPENDENT STUDY IN PHYSICS

Staff

Experimental or theoretical study or research under the direct supervision of a staff member. Work is normally reported in a paper. Open to upperclass science and mathematics majors with the approval of the department. Conference hours and laboratory hours arranged, either or both semesters.

*Credit hours arranged*

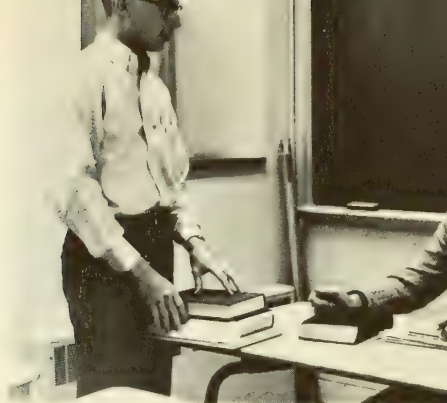


# Political Science

Professor Jarvis (Chairman)

Assistant Professors Boenau and Harned

Instructor Knox



Although reasonable men may differ as to the proper priority of human objectives and appropriate methods of attaining them, it is not just a coincidence that man relies heavily upon the full cooperation and active participation of government as the most appropriate means of promoting some of his most cherished ideals. A good life, a better world, social and economic reforms, and higher standards of equality and justice based on great moral principles enacted into law—these are some of the things people should expect of their government in a democracy.

Regardless of one's calling in life, some training in the responsibilities of citizenship and all that this implies is essential if democratic government is to be as effective as it needs to be to meet these expectations. For college students the need is especially urgent. Leaders in public service, both domestic and foreign, will be increasingly in demand with expanding government functions. Majors in Political Science may look forward to careers in politics or diplomacy, the teaching of social studies, or the practice of law.

Requirements for a major are a minimum of 24 semester hours of Political Science, including courses 201, 202, and either 351 or 352. Economics 201 or 203 is also required. Sociology 311 may be offered as a substitute for any course in Political Science (other than those named here) in fulfilling the hour requirements for a major.

Students needing only 3 hours credit in Political Science should take 201. Prelaw students, regardless of their major, are recommended to take course 311, 312. Juniors with satisfactory grade averages are eligible for the Washington Semester.

## 201 AMERICAN GOVERNMENT

Staff

An introduction to the study of government and politics, serving both as a basic course for more advanced study in this field and as a terminal course providing fundamental information for the student who elects it as part of a liberal arts education. Concentrates primarily on the national level of government, with attention being centered on constitutional principles and development, the demo-

cratic political process, the general nature of the three branches of government and their respective powers, and the relation of the individual citizen to his government. Repeated second semester. *Three hours credit*

## 202 AMERICAN GOVERNMENT

Staff

Attention is given to specific functions of the national government and to more specialized activities of the administrative agencies. Foreign policies and problems, domestic policies and problems relating to government's economic powers, and the promotion of welfare and protection of individual rights are considered. In addition, state and local government units are studied and analyzed.

*Three hours credit*

## 301 FOREIGN GOVERNMENTS (European)

Mr. Boenau

Analysis and comparison of the structure and operation of the governments of Great Britain, France, West Germany, and the Soviet Union, and the study of the political processes of these countries.

*Three hours credit*

## 302 FOREIGN GOVERNMENTS (Asian)

Mr. Boenau

An analysis and comparison of the structure and political processes of the principal governments of Asia. Particular attention is devoted to China, Japan, and India.

*Three hours credit*

## 303 FOREIGN GOVERNMENTS (Latin American)

Mr. Jarvis

General characteristics in the structure of governments and political practices of Latin American countries are examined and analyzed. The significance of historical, social, economic, and geographical factors, as well as the role of the army, church, and organized labor in Latin American politics are discussed. Current domestic and international trends and problems of these countries are appraised.

*Three hours credit*

## 311, 312 CONSTITUTIONAL LAW

Mr. Jarvis

The first semester deals largely with case studies of Supreme Court decisions involving the powers and limitations of the legislative, executive, and judicial branches of government at the national level. The second deals with case studies of Supreme Court decisions involving the powers of state and local governments and decisions that deal with constitutional guarantees of individual rights.

*Six hours credit*

## 316 INTERNATIONAL LAW AND ORGANIZATION

Mr. Jarvis

A survey course of the international community and its organization and law. Topics included for discussion are status of members in the community; jurisdiction over land, sea, and air; jurisdiction of nationals and aliens; international agents and types of international agreements; procedures for adjusting international differences; techniques of international cooperation; and the structure and functions of the United Nations and regional organizations.

*Three hours credit*

331 POLITICAL PARTIES

Mr. Jarvis

A study of politics and politicians, party history, organization, procedures, policies, and prospects. Emphasis is placed on current party developments and trends, and attention is also given to the role of pressure groups in the political process. *Three hours credit*

341 INTERNATIONAL RELATIONS

Mr. Knox

Emphasizing the major forces governing relations between nations, the influence of such factors as power, nationalism, imperialism, sovereignty, international law and organization, and diplomacy are dealt with. Attention is also given to current developments in regard to disarmament, American-Soviet relations, and the United Nations. *Three hours credit*

342 AMERICAN FOREIGN POLICY

Mr. Knox

The machinery and processes involved in foreign policy determination, past and present problems of American foreign policy, and commitments in special areas. Particular attention is given to American-Soviet relations, the problems posed by underdeveloped nations, and the role of the United States in the United Nations. Problem areas studied include Europe, the Middle East, Africa, Latin America, and Asia. *Three hours credit*

351 HISTORY OF POLITICAL THOUGHT

Miss Harned

A study of certain of the classics in political theory in an attempt to direct the attention of the student to fundamental questions such as the nature of political obligation and the problems of freedom and authority. *Three hours credit*

352 MODERN POLITICAL THOUGHT

Miss Harned

Emphasis is placed on theoretical material which analyzes modern political society. Some attention is given to Communist theory and twentieth century totalitarianism as well as to contributions within the framework of traditional Western democracy. *Three hours credit*

401 INDEPENDENT STUDY

Staff

Open to majors who have demonstrated competence and ability to engage in individual research; permits qualified students to do extra reading of an intensive nature, especially those who intend to continue with graduate study in the field of government or law. Arrangements should be made with the instructor for permission to enroll in this course. *Hours and credit arranged*

402 SENIOR SEMINAR

Mr. Jarvis

Offers an opportunity to integrate subject matter taken in the department; provides training in locating and using research materials relating to this area of study; gives practice in the preparation and presentation of oral and written reports; and prepares majors for comprehensive examinations and graduate work. Arrangements should be made with the department for enrollment. *Three hours credit*

## Psychology

Professor Smoke (Chairman)  
Associate Professors Platt and Shand  
Assistant Professors Frank and Wood  
Instructor Mudd



The objectives of the department include promoting knowledge of the basic facts and principles of human experience and behavior, with emphasis on the formation of a scientific attitude toward behavior and an appreciation of the complexity of human personality. For advanced students an attempt is made to provide a balanced program of course offerings in both theoretical and applied Psychology. Students who plan to enter graduate school for training as professional psychologists may take courses that introduce them to such areas of specialization as clinical psychology, experimental psychology, and business and industrial psychology.

The career opportunities in psychology are numerous and varied. Although college teaching and research continue to attract more well-trained psychologists than any other type of vocational endeavor, many psychologists are being employed by business and industrial organizations, public school systems, and federal, state, and local governmental agencies. The opportunities for employment are especially numerous in clinical psychology. One planning a career in any area of psychology should expect to spend at least a year in postgraduate study. This should be regarded as the barest minimum. Many of the best positions in professional psychology require three or four years of postgraduate training.

Psychology 201 is a prerequisite for all other courses in the department. Requirements for a major include Psychology 201, 231, 305, 341, and 344, and 9 additional hours approved by the department. Students looking forward to admission to graduate school will be expected to take Psychology 311, preferably in their junior year. Such students will find that the independent study required in Psychology 402 and 405 will be desirable preparation for graduate work.

### 201 GENERAL PSYCHOLOGY

Staff

An introduction to the basic facts and principles of psychology, including the study of human motivation, learning, emotion, perception, thought, intelligence, and personality. Some attention is given to the applications of psychology. Repeated second semester.

*Three hours credit*



205 APPLIED PSYCHOLOGY (†)

The facts and principles of psychology are applied to such specific areas as market research, public opinion polling, guidance and counseling, and criminology. Readings and reports in areas of students' special interests.

*Three hours credit*

210 BUSINESS AND INDUSTRIAL PSYCHOLOGY

Mr. Mudd

The application of psychological principles and techniques to selection, placement, and training of personnel and to problems in industrial efficiency, industrial relations, and leadership. Consideration is also given to recent developments in human engineering.

*Three hours credit*

214 SOCIAL PSYCHOLOGY

Messrs. Mudd and Smoke

Attempts to promote the understanding of human experience and behavior in social situations. Topics considered include group dynamics, leaders and leadership, propaganda, prejudice, and the implications of psychological findings for international relations.

*Three hours credit*

220 MENTAL HYGIENE

Messrs. Frank and Smoke

A study of principles of personal adjustment, particularly from the viewpoints of learning and perception. These principles are related to everyday living, with emphasis on self-understanding in terms of attitudes, interests, abilities, and traits of personality.

*Three hours credit*

225 CHILD AND ADOLESCENT PSYCHOLOGY

Mrs. Wood

Children's behavior patterns are traced through stages of growth to maturity with consideration of personality development and character formation in home, school, church, and society. Some attention is given to problems of the exceptional child and the delinquent. Illustrative materials include visits to child care centers, research reports, case studies, and films.

*Three hours credit*

231 PSYCHOLOGICAL STATISTICS

Mr. Platt

An introduction to the descriptive and inferential statistics commonly used in Psychology. Among the topics included are measures of central tendency, variability, correlation and regression, reliability, and the testing of hypotheses.

*Three hours credit*

301 HUMAN RELATIONS (†)

Mr. Smoke

The results of recent research in human motivation, communication, social perception, and other topics bearing on human interaction are discussed and criticized. Directive and nondirective interviewing are considered.

*Three hours credit*

305 EXPERIMENTAL PSYCHOLOGY

Mr. Platt

An introduction to the scientific method and experimental design. Emphasis is placed on kinds and sources of error in experimentation, methods of control,

and the design of experiments. The treatment and interpretation of experimental data are discussed. *Prerequisite:* Psychology 231. Two class hours and three laboratory hours. Repeated second semester. *Three hours credit*

### 311 PSYCHOLOGICAL TESTS AND MEASUREMENTS Mr. Shand

Fundamental principles are studied in the development of reliable and valid tests, rating scales, questionnaires, inventories, situational tests, and other devices designed to reveal measurable characteristics of personality and behavior. Special emphasis is placed on the critical evaluation of tests, the assumptions underlying their construction, and the role of testing as one of the basic procedures of social science. Examples of different types of tests are shown and some of the better-known interest and aptitude tests, such as the Kuder, Strong, Thurstone, Triggs, and Seashore tests are taken and scored in the laboratory sessions. Other laboratory instruction necessary for the correlation of theory and practice is given. Two class hours and two laboratory hours. *Three hours credit*

### 312 PSYCHOLOGICAL TESTS AND MEASUREMENTS Mr. Shand

An introduction to individual and group tests of intelligence and to performance tests of personality. Opportunity is given for carrying out individual research projects involving the design and development of tests. Laboratory instruction is given in scoring the Stanford Binet Form I. and the Wechsler Adult Form I. Examples of performance tests of personality are shown, and case records demonstrating various types of personality reactions are examined. Not a course in the administration of tests, but one in which emphasis is placed on the theory of tests of intelligence and personality and on the design of tests in general. *Prerequisite:* Psychology 311. Two class hours and two laboratory hours. *Three hours credit*

### 317 PSYCHOLOGY OF LEARNING Messrs. Frank and Platt

An introductory survey of contemporary approaches to learning. In addition, recent investigations in all phases of learning are examined, including a study of factors affecting the efficiency of human learning and retention. *Prerequisite:* six hours credit in Psychology. *Three hours credit*

### 321 PSYCHOLOGY OF PERSONALITY Mr. Smoke

Emphasis is placed on the nature and organization of personality traits and tendencies and the methods that can be used in studying personality. Consideration is given to a number of theories of personality structure, including those of "depth" psychologists such as Freud, Jung, and Adler. *Three hours credit*

### 326 ABNORMAL PSYCHOLOGY Mr. Shand

The various types of abnormalities of personality and behavior which commonly occur in mentally handicapped, deviant, neurotic, and psychotic persons. Special attention is directed toward the role of defense mechanisms, emotional conditioning, value conflicts, and the dynamics of parent-child relations in the development of neurotic behavior. The general principles of hypnosis, psycho-

analysis, client-centered counseling and other types of psychotherapy are presented. Case materials are used to demonstrate the functioning of repression, transference, and symbolic and unconscious processes. Some applications of the principles of abnormal psychology to the understanding of certain social problems are indicated. Film demonstrations of abnormal phenomena are given, and a field trip is taken to the Harrisburg State Mental Hospital. *Three hours credit*

331 INTRODUCTION TO CLINICAL PSYCHOLOGY Mr. Frank

Not a course in clinical practice, but a survey of the field of clinical psychology, its problems, methods, and areas of application. *Prerequisite: six hours credit in Psychology. Three hours credit*

336 PHYSIOLOGICAL PSYCHOLOGY Mr. Platt

Consideration is given to the relationship between behavior and the structure and functioning of the organism. Emphasis is placed on the neurological bases of sensation, perception, learning, and problem solving, with some attention to recent research in psychopharmacology. *Prerequisite: six hours credit in Psychology or eight hours credit in Biology. Three hours credit*

341 HISTORY OF PSYCHOLOGY Mr. Shand

Reviews some of the basic theories, experiments, principles, concepts, methods, and findings which have evolved and shows how they form part of the subject matter of psychology today. Gives an indication of the conflicts of views which have occurred and traces their origins in the conflicting backgrounds, interests, methods, basic assumptions, and values of those who developed them. Special attention is given to empiricism, associationism, structuralism, functionalism, behaviorism, gestalt, and psychoanalysis as schools of thought which have contributed to the formation of different theoretical points of view evident in present-day psychology. *Prerequisite: six hours credit in Psychology. Three hours credit*

344 ADVANCED GENERAL PSYCHOLOGY Mr. Platt

Consideration is given at an advanced level to motivation, perception, learning, and other topics introduced in general psychology. *Prerequisite: twelve hours credit in Psychology. Three hours credit*

402 CONTEMPORARY PSYCHOLOGICAL LITERATURE Mr. Platt

Opportunity is given the student to do intensive and critical reading on topics of special interest to himself. Readings are limited to recent professional books, journal articles, and research reports which deal with significant contemporary developments in psychology. *Three hours credit*

405 SENIOR RESEARCH Staff

In the senior research course, the student conducts an individual research project under supervision of a member of the staff. Repeated second semester. *Hours and credit arranged*



## Reserve Officers Training Corps

The Basic Course in Air Science or Military Science can be taken by male students to satisfy the College requirement in physical education or military science.

### AIR FORCE ROTC: AIR SCIENCE

Professor Storms (Chairman); Assistant Professors Paparazo, Schmidt, and Smith; Assistant Instructors Davis, Salo, and Swiger.

#### BASIC COURSE

##### 101-102 FOUNDATIONS OF AIR POWER (1)

Designed to provide the student with an understanding of the elements of aerospace power, an introduction to the mechanics of aerospace vehicles, and a survey of the composition and necessity of national security forces. Instruction includes potentials of air power, air vehicles and principles of flight, the military instruments of national security, and professional opportunities in the USAF. First semester: two periods in leadership laboratory. Second semester: four periods, two in classroom and two in leadership laboratory. *Two hours credit*

##### 201-202 FOUNDATIONS OF AIR POWER (2)

A more advanced examination of the aerospace capabilities of the USAF. The evolution of aerial warfare, target selection, weapons, delivery vehicles, bases, materiel, personnel, USAF operations in peace and war, and problems and possibilities of space operations. First semester: four periods, two in classroom and two in leadership laboratory. Second semester: two periods in leadership laboratory. *Two hours credit*



## ADVANCED COURSE

### 301-302 AIR FORCE OFFICER DEVELOPMENT

An introduction to principles of leadership as they apply to Air Force problems and tasks. Involves leadership doctrine, major socio-psychological principles of leadership, a consideration of the leader-follower relationship in an Air Force environment, and communication theory relevant to leadership. Exercises concentrate on important behavior skills basic to leadership performance with provision for practice and development of skills in a realistic problem situation. Six periods, four in classroom and two in leadership laboratory. Also four weeks of summer training at an Air Force base. *Six hours credit*

### 311-312 GLOBAL RELATIONS

An intensive study of global relations with emphasis on international relations and world political geography. Instruction also includes weather, navigation, and briefing for commissioned service. During the first semester, cadets take Political Science 341 (International Relations) as an Air Science requirement for three hours credit. First semester: four periods, two in classroom and two in leadership laboratory. Second semester: six periods, four in classroom and two in leadership laboratory. *Five hours credit*

## ARMY ROTC: MILITARY SCIENCE

Professor Eddy (Chairman); Assistant Professors Auer and Richardson; Assistant Instructors Davis, Daye, Hill, Prosperi, Pursley, St. Clair, and Waite.

## BASIC COURSE

### 101-102 BASIC COURSE, FRESHMAN

A general introduction to military science, including training in organization of the Army and ROTC, individual weapons and marksmanship, the U.S. Army and national security, and an elective academic subject in one of four approved areas. First semester: two periods leadership laboratory plus academic subject. Second semester: two periods leadership laboratory and two classroom periods. *Two hours credit*

### 201-202 BASIC COURSE, SOPHOMORE

Leadership; American military history; map and aerial photograph reading; introduction to operations and basic tactics. Four periods, two in classroom and two in leadership laboratory. *Four hours credit*

## ADVANCED COURSE

### 301-302 ADVANCED COURSE, JUNIOR

Leadership, military teaching methods, branches of the Army, tactics, communications, and leadership laboratory. Five periods, three in classroom and two in leadership laboratory. *Five hours credit*

311-312 ADVANCED COURSE, SENIOR

Command and staff, military intelligence, training management, logistics, military law, administration, and role of the U.S. in world affairs. Five periods, three in classroom and two in leadership laboratory. *Five hours credit*

## Romance Languages

Professor A. Bachman (Chairman)

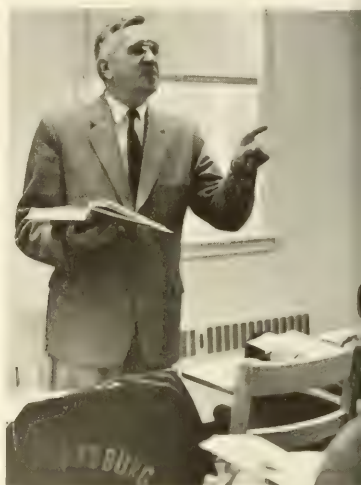
Visiting Professor Hesse

Associate Professors Barriga, Hamme,  
and Sanborn

Assistant Professor Lehnberger

Visiting Assistant Professor Nielsen

Instructors Cameron, Playfoot, and Weaner



The chief aim of courses offered by the department is to give the student a firm command of the spoken and written foreign language. Through study of a foreign language the student finds ample opportunities to discipline his mind. The oral-aural aspect of modern language teaching has received great impetus since the establishment of language laboratories that supplement classroom instruction of the department.

Literature and civilization courses lead to cultural insights of other societies. Formation of the student's character and cultivation of a deeper understanding of what is transpiring in the world is the principal goal of all advanced courses.

Requirements for a major in French or Spanish include a minimum of 30 semester hours above the 101-102 course. Majors in French must take 301-302 and 18 hours in literature. Requirements for a major in Spanish include courses 301-302 and 311-312, plus two additional literature courses. These requirements may be waived in special cases at the discretion of the department.

French 101-102 and Spanish 101-102 students must spend one hour per week in the language laboratory.

The following courses fulfill the College literature requirement: French 311-312, 317-318, 321-322, 325-326, 329-330, and 333-334; Spanish 311-312, 315-316, 321-322, 323-324, 327-328, and 331-332.

## FRENCH

101-102 ELEMENTARY FRENCH Staff  
Essentials of grammar; practice in composition, reading, and translation.  
*Six hours credit*

201-202 INTERMEDIATE FRENCH Staff  
Grammar review and composition. Reading of selections from modern French authors. *Prerequisite:* French 101-102 or its equivalent. *Six hours credit*

301-302 ADVANCED FRENCH COMPOSITION AND CONVERSATION Mr. A. Bachman  
Systematic study of French grammar including composition drill. Stress on free composition and oral expression. *Prerequisite:* French 201-202.  
*Six hours credit*

303 PRACTICAL PHONETICS Mr. A. Bachman  
Practice in phonetic transcription and pronunciation. Laboratory course.  
*Three hours credit*

311-312 SURVEY COURSE IN FRENCH LITERATURE Mr. Sanborn  
A general survey of French literature from the Middle Ages to the nineteenth century. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit*

316 HISTORY OF FRENCH CIVILIZATION Mr. A. Bachman  
A survey of French history, emphasizing French contributions to political, social, and cultural movements of Europe. *Three hours credit*

317-318 FRENCH LITERATURE OF THE SIXTEENTH CENTURY Miss Lehnberger  
A study of the Renaissance as illustrated by writings of Rabelais, Calvin, the Pléiade, and Montaigne. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit*

321-322 FRENCH LITERATURE OF THE SEVENTEENTH CENTURY (†) Miss Lehnberger  
French classicism as revealed in dramatic works of Corneille, Molière, and Racine. Study of representative prose writers. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit*

### 325-326 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY

Mr. A. Bachman

Critical study of the "*esprit philosophique*" as illustrated in writings of Montesquieu, Voltaire, Diderot, d'Alembert, Buffon, Rousseau, and others. *Prerequisite*: French 201-202 or its equivalent. Alternates with French 321-322.

*Six hours credit*

### 329-330 FRENCH LITERATURE OF THE NINETEENTH CENTURY

Mr. Sanborn

Selections from poets and prose writers of the Romantic, Realistic, Naturalistic, and Symbolistic Movements. *Prerequisite*: French 201-202 or its equivalent.

*Six hours credit*

### 333-334 FRENCH LITERATURE OF THE TWENTIETH CENTURY

Mr. Sanborn

The more recent literary tendencies of France, with special reference to national life and character. *Prerequisite*: French 201-202 or its equivalent.

*Six hours credit*

### 341 INTRODUCTION TO ROMANCE PHILOLOGY (†) Mr. A. Bachman

Morphology of French, Spanish, and possibly Italian. Emphasis on phenomena having special significance for teachers or graduate students. Recommended to majors and minors in French and Spanish.

*Three hours credit*

### 342 OLD FRENCH LANGUAGE AND LITERATURE (†) Mr. A. Bachman

The various *genres* of medieval French literature. *Prerequisite*: French 341. Alternates with French 316.

*Two hours credit*

### 343 EXPLICATION DE TEXTES (†)

Mr. A. Bachman

Designed for seniors only. Repeated second semester.

*Two hours credit*

### 361 METHODS OF TEACHING FRENCH (†)

Mr. A. Bachman

Lesson planning in conjunction with grammar review; discussion concerning cultural material to be used; selection of suitable texts. Open only to those students who expect to teach and have been recommended by the department chairman.

*Three hours credit*

### 391 THESIS IN FRENCH (†)

Staff

Conference hours as arranged. Repeated second semester.

*Two hours credit*

### 401 SEMINAR IN FRENCH LITERATURE AND CIVILIZATION (†) Staff

Repeated second semester.

*Hours and credit arranged*

## SPANISH

### 101-102 ELEMENTARY SPANISH

Staff

Fundamentals of grammar and reading.

*Six hours credit*

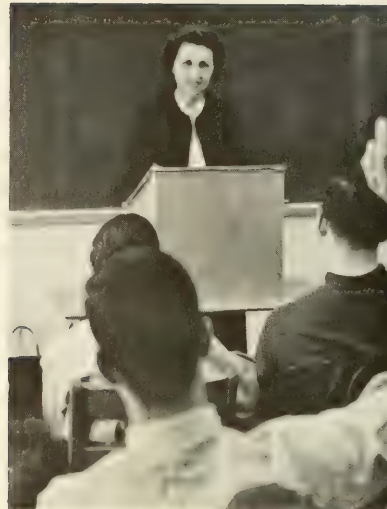


- 201-202 INTERMEDIATE SPANISH Staff  
 Review of Spanish grammar, conversation, translation, and composition. *Prerequisite:* Spanish 101-102 or its equivalent. *Six hours credit*
- 301-302 ADVANCED SPANISH COMPOSITION AND CONVERSATION Mrs. Weaner  
 Letter writing, short Spanish themes, advanced grammar, and conversation based on current events and life situations. *Prerequisite:* Spanish 201-202 or its equivalent. *Six hours credit*
- 311-312 SURVEY COURSE IN SPANISH LITERATURE Miss Cameron  
 The development of the Spanish *generos literarios* to the present day. Geographical and historical background. *Prerequisite:* Spanish 201-202. *Six hours credit*
- 315-316 SPANISH-AMERICAN LITERATURE Mr. Barriga  
 A survey course with emphasis on poetry and the novel. *Prerequisite:* Spanish 201-202. *Six hours credit*
- 321-322 NOVELA DEL SIGLO DE ORO (†) Mr. Hamme  
*La novela picaresca* and *Don Quijote*. *Six hours credit*
- 323-324 TEATRO DEL SIGLO DE ORO Mr. Hamme  
 Lope de Vega and other dramatists of the Siglo de Oro. *Six hours credit*
- 327-328 NINETEENTH CENTURY SPANISH NOVEL AND DRAMA (†) Miss Cameron  
 The *costumbrista* movement. The neoclassic, romantic, and postromantic Spanish drama. *Prerequisite:* Spanish 201-202 or its equivalent. *Six hours credit*
- 331-332 TWENTIETH CENTURY SPANISH LITERATURE Mrs. Weaner  
 Reading and study of outstanding novels and dramas of the twentieth century, beginning with the generation of 1898. *Prerequisite:* Spanish 201-202 or its equivalent. *Six hours credit*
- 361 METHODS AND TECHNIQUE OF TEACHING SPANISH (†) Mr. Hamme  
 Technique, lesson planning, selection of textbooks, remedial teaching. Lectures, reports, and classroom practice. For teaching majors. *Three hours credit*
- 391 THESIS IN SPANISH (†) Staff  
 Research and outlining. Individual conferences. Repeated second semester. *Two hours credit*
- 401 SEMINAR IN SPANISH LITERATURE AND CIVILIZATION (†) Staff  
 Repeated second semester. *Hours and credit arranged*

## Russian (See German)

## Sociology

Professor Bloss (Chairman)  
Visiting Professors Albig and Douglas  
Instructor Sheaffer



Sociology is a synthesizing and generalizing science of man in all his social relationships. As society becomes more complex, the knowledge acquired from Sociology becomes more essential as a basis for social policy. Sociology also provides the student with knowledge about the self in relation to others and to society.

Sociology 201 is a prerequisite for all other courses in the department with the following exceptions. Sociology 204 may be taken without Sociology 201, and senior majors in Political Science, Economics, and Psychology are admitted to Sociology 311 without the prerequisite of Sociology 201. Requirements for a major include Sociology 201, 204, 331, 334, 401, and 9 additional hours in Sociology as approved by the department. Students anticipating a career in social work must take Sociology 321 and 326.

### 201 PRINCIPLES OF SOCIOLOGY

Miss Bloss and Mr. Sheaffer

Surveys basic forms of human association and interaction. Includes discussion of sociological theory and method, culture and personality, human ecology and population, and social organization and disorganization. Social institutions and processes are analyzed and related to the current national and world scene. Repeated second semester.

*Three hours credit*

204 CULTURAL ANTHROPOLOGY

Miss Bloss and Mr. Sheaffer

The mutual interrelations of society, culture, and personality are studied through description of basic institutions of primitive and civilized groups in Eurasia, Africa, Oceania, and the Americas. Repeated second semester.

*Three hours credit*

301 SOCIAL CHANGE IN MODERN SOCIETY

Mr. Sheaffer

Innovation, competition, accommodation, and routinization are examined as aspects of the social process. Case studies of social movements and revolutions are examined.

*Three hours credit*

304 AMERICAN SOCIETY: URBAN AND RURAL PATTERNS

Miss Bloss

Historic development of the modern urban community. Problems arising from urbanization and industrialization of society are analyzed.

*Three hours credit*

305 THE FAMILY

Mrs. Douglas

An examination of some of the social, psychological, and economic problems of the American family. Traces the shifting roles of family members today against the background of family life in other cultures and our recent history.

*Three hours credit*

308 INDUSTRIAL SOCIOLOGY

Mrs. Douglas

Analyzes social relations existing between management and labor in modern large-scale industry both within the plant and in industry as a whole, the reactions of workers to their situations, and the part played by industrial leadership in the community at large. The forces that strive for perpetuation of old industrial roles and those making for changes are distinguished.

*Three hours credit*

309 DYNAMICS OF SMALL GROUPS

Mr. Sheaffer

The small group of two to twelve persons is considered as the fundamental social unit. Sociological theories and investigations of leadership, division of function, communication, and the web of interpersonal relations and controls in the small group are examined.

*Three hours credit*

311 PUBLIC OPINION

Mr. Albig

The nature and development of public opinion as related to cultural and psychological processes. A critical review of methods of opinion measurement and polling. Opinion changes are related to the rise of interest groups, publicity, and propaganda. Special attention is given to the various media of mass communication.

*Three hours credit*

312 SOCIAL CONTROL

Mr. Albig

The methods and techniques of social control of individuals by groups, from the use of physical coercion, punishment and reward, ceremonies and rituals, to innovations in methods of social control resulting from development of new mass media of communication in the twentieth century.

*Three hours credit*

315 **CRIMINOLOGY**

Miss Bloss

Analyzes the social, cultural, and psychological factors involved in development of the criminal. Our present system of criminal justice is evaluated. Objectives of an effective correctional system are emphasized.

*Three hours credit*

318 **RACIAL AND CULTURAL MINORITIES**

Mrs. Douglas

Treats problems of social stratification, their origins and patterns of change. Analyzes the dynamics of segregation and integration policies, their effects upon the group member, and the effects of minorities upon society as a whole.

*Three hours credit*

321 **INTRODUCTION TO SOCIAL WORK**

Miss Bloss

The development of social work philosophy and practice from its beginnings to the present day with special attention given to its place in modern American society. Basic principles of social work are noted and studied in relation to their operation in case work, group work, and community organizations.

*Three hours credit*

326 **SOCIAL LEGISLATION**

Miss Bloss

Examines the changing philosophy of government in striving to meet the needs of modern industrial civilization. Special attention is given to present-day social welfare policies and programs.

*Three hours credit*

331 **SOCIAL THEORY**

Mr. Sheaffer

Important schools of contemporary sociological theory are reviewed. Structural-functional theory, formal sociology, human ecology, neopositivism, historical sociology, microsociology, and neoevolutionism are analyzed and identified with leading European and American sociologists.

*Three hours credit*

334 **METHODS OF SOCIAL RESEARCH**

Mr. Sheaffer

The interview, schedule, participant and nonparticipant observer techniques, statistics, and other devices are discussed as tools in systematic observation of social behavior. Planning, organization, and conduct of social surveys and research projects are discussed.

*Three hours credit*

401 **SEMINAR**

Mr. Albig

Students are directed in reading and research on selected topics related to the field of sociology. Repeated second semester.

*Three hours credit*

**Spanish** (See Romance Languages)

**Speech** (See English)



# The Alumni

THE WORD *alumnus* stems from its meaning in Latin: a foster child. Thus, from the moment a high school student receives his notice of acceptance into the academic community at Gettysburg College, he is in a sense an alumnus.

Realizing keenly its kinship with all its "foster children," Gettysburg College actively maintains personal and mutually beneficial relations with them wherever they may go after commencement. For their part, Gettysburg alumni cherish such a lifelong link with their alma mater. This partnership, symbolized by an Alumni Association founded in 1835, has exerted a good influence on the continuing process of higher education at Gettysburg College.

Alumni cooperate in many ways to insure that the liberal arts thrive at Gettysburg. They give of their time, talents, and funds to interest good students in attending Gettysburg College, make available scholarships and loans, and provide adequate physical and academic facilities.

To promote service to the College and fellowship among its alumni, former Gettysburgians have organized 36 alumni clubs in localities spanning the United States from New England to Southern California. In these areas and elsewhere there are 150 individual alumni working with the Admissions Office and the Secondary Schools Committee of the Alumni Association to provide firsthand information about Gettysburg College for prospective students. In addition, each September many alumni clubs sponsor *bon voyage* dinners honoring Gettysburg freshmen and their parents.

The College underwrites a flourishing Alumni Office, with an executive director and an experienced clerical staff. This office administers the Alumni Loan Fund by which a senior needing financial aid may borrow up to \$600. The office also keeps current address and information files and acts as a secretarial center for alumni activity.

The College communicates with former students through a regularly published magazine, newsletters, and other incidental publications, all issued by the Alumni Office. The Director of Alumni Relations and his staff also plan Homecoming Weekend, held in the fall, and Alumni Weekend in the spring.

# Register

## Board of Trustees

*Terms expire in 1961*

PAUL R. SIEBER, M.D. (1949)<sup>1</sup>

Surgeon. Pittsburgh, Pa.

GEORGE B. BAKER (1955)<sup>2</sup>

*Alumni Trustee*

Retired Teacher. Haddon Heights, N. J.

HORACE G. PORTS, *Secretary* (1955)

Attorney. York, Pa.

DONALD K. WEISER (1955)

General Manager, Illinois Office, Aetna Casualty and Surety Company.  
Glen Ellyn, Ill.

DAVID S. BANTLEY, M.D. (1957)

*Central Pennsylvania Synod Trustee*

Physician and surgeon. Johnstown, Pa.

*Terms expire in 1962*

JOHN S. RICE, *Chairman* (1939)

Secretary of the Commonwealth of Pennsylvania. Gettysburg, Pa.

WILLARD STEWART PAUL, LL.D. (1956)

President, Gettysburg College. Gettysburg, Pa.

MRS. WILLARD S. PAUL (1956)

*Alumni Trustee*

Associate, C. H. Musselman Company. Gettysburg, Pa.

*Terms expire in 1963*

HENRY W. A. HANSON, D.D., LL.D. (1923)

President Emeritus, Gettysburg College. Harrisburg, Pa.

LUTHER W. RITTER (1957)

*Alumni Trustee*

General Manager, Littonian Shoe Company. Littlestown, Pa.

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<sup>1</sup>The date following the name indicates the beginning year of present service on the Board of Trustees.

<sup>2</sup>Died Jan. 7, 1961.

*Terms expire in 1964*

- CLARENCE A. WILLS (1946)  
President, Gettysburg National Bank. Fairfield, Pa.
- JOHN A. APPLE, *Vice Chairman* (1952)  
President, Butter Krust Baking Company. Sunbury, Pa.
- LESTER E. GINGERICH (1952)  
Chief mechanical engineer, Pennsylvania Railroad. Wynnewood, Pa.
- LLOYD M. KELLER, D.D. (1958)  
*Maryland Synod Trustee*  
Retired clergyman. Orrtanna, Pa.
- JULIUS G. HLUBB, PH.D. (1958)  
*Maryland Synod Trustee*  
Vice Principal, Baltimore City College. Baltimore, Md.
- STEWART H. SMITH, PH.D. (1958)  
*West Virginia Synod Trustee*  
President, Marshall College. Huntington, W. Va.
- GEORGE E. ALLEN (1958)  
Attorney. Washington, D. C.
- ARTHUR S. SIPE (1958)  
*Alumni Trustee*  
Sales staff, Proctor and Gamble Company. Drexel Hill, Pa.

*Terms expire in 1965*

- C. WILLIAM DUNCAN (1935)  
News staff, Camden (N. J.) *Courier-Post*. Pennsauken, N. J.
- RICHARD C. WETZEL (1941)  
President, Wytheville Corporation. Wyomissing, Pa.
- WARREN C. HEINLY, D.D. (1957)  
*Central Pennsylvania Synod Trustee*  
Pastor, Grace Lutheran Church. Lancaster, Pa.
- MILLARD E. GLADFELTER, PH.D. (1958)  
President, Temple University. Jenkintown, Pa.
- EDWIN T. FERREN, M.D. (1959)  
Physician. Merchantville, N. J.
- WILLIAM H. B. STEVENS (1959)  
*Alumni Trustee*  
Partner, Latham-Stevens Company, Insurance Brokers. Harrisburg, Pa.

*Terms expire in 1966*

- CLYDE E. GERBERICH (1937)  
Treasurer, Gerberich-Payne Shoe Company. Mount Joy, Pa.
- WILLIAM J. MILLER, JR., D.D. (1939)  
Pastor Emeritus, Tabernacle Lutheran Church. Philadelphia, Pa.

MRS. CHARLES W. BAKER, JR. (1947)

Guidance Counselor, Springdale Senior High School. Springdale, Pa.

WILLIAM H. SANDLAS (1948)

Chief estimator, Consolidated Engineering Company, Inc. Baltimore, Md.

CHESTER S. SIMONTON, D.D. (1948)

Pastor, St. Paul's Lutheran Church. York, Pa.

GORDON D. WHITCRAFT (1954)

Feature editor, Philadelphia *Evening Bulletin*. West Chester, Pa.

BERTRAM M. WILDE (1954)

President, Janney, Battles, and E. W. Clark, Inc., Investment Bankers.  
Narberth, Pa.

HARRY C. MCCREARY (1959)

President, McCreary Tire and Rubber Company. Indiana, Pa.

JOSIAH W. KLINE (1959)

Business executive. Harrisburg, Pa.

PAUL H. RHOADS (1960)

Attorney. Harrisburg, Pa.

LEWIS C. MANGES, JR., M.D. (1960)

*Alumni Trustee*

Surgeon. Bala-Cynwyd, Pa.

## The Administration

*(As of February 1, 1961)*

WILLARD STEWART PAUL

*President*

B.S., The Johns Hopkins University; A.M., LL.D., American University;  
LL.D., Roanoke College.

HENRY W. A. HANSON

*President, Emeritus*

A.B., A.M., Roanoke College; B.D., Lutheran Theological Seminary, Gettysburg; D.D., Gettysburg College; LL.D., Bucknell University, Lafayette College, and Wittenberg University.

MILDRED D. JOHNSON

*Administrative Assistant to the President*

A.B., Gettysburg College.

JOHN H. KNICKERBOCKER

*Historian and Director, Civil War Institute*

A.B., A.M., Columbia University.

RICHARD A. BROWN

*College Counsel*

A.B., Gettysburg College; LL.B., University of Pennsylvania.



CHARLES H. GLATFELTER

*Acting Dean of the College and Director of Summer Session*

A.B., Gettysburg College; Ph.D., The Johns Hopkins University.

CHARLES R. WOLFE

*Dean of Admissions*

A.B., A.M., Gettysburg College.

MARTIN H. CRONLUND

*Associate Dean of Admissions*

A.B., Gettysburg College; A.M., Temple University.

DEANE G. BORNHEIMER

*Admissions Counselor*

A.B., Gettysburg College; M.Ed., University of Maine.

MILDRED H. HARTZELL

*Registrar*

B.S., Gettysburg College.

LILLIAN H. SMOKE

*Librarian*

A.B., Juniata College; B.L.S., Columbia University.

DOROTHY J. RIDDAGH

*Assistant Librarian*

A.B., Wilson College; B.S.L.S., Drexel Institute, School of Library Science.

SARAH B. WESTINE

*Assistant Librarian*

B.S., Simmons College.

DORIS M. KEMLER

*Assistant Librarian*

B.S., A.M., University of Minnesota.

NANCY C. HODGES

*Assistant Librarian*

A.B., University of Pittsburgh.

JOHN W. SHAINLINE

*Dean of Students*

A.B., Gettysburg College; A.M., Columbia University.

MARTHA H. STOREK

*Dean of Women*

A.B., Connecticut College; Ph.D., Bryn Mawr College.

W. RAMSAY JONES

*Dean of Men*

A.B., Gettysburg College.

BARBARA L. PLATT

*Acting Director of Guidance and Placement*

B.S., Allegheny College; A.M., Ohio State University.

LEWIS B. FRANK

*Special Counselor*

B.S., Franklin and Marshall College; A.M., The Johns Hopkins University.

R. DAVID YOUNG

*Clinical Consultant*

A.B., Harvard University; Ph.D., University of Texas.

PAUL N. TERWILLIGER

*Director of Reading Services*

B.S., Clarion State College; A.M., Lehigh University.

HAROLD O. CLOSSON, JR.

*Director of Student Union*

B.S., University of Maryland.

CHESTER G. CRIST

*Medical Director, Emeritus*

M.D., Medico Chi of Philadelphia.

JOHN A. LOGAN

*College Physician*

M.D., Jefferson Medical College of Philadelphia.

F. STANLEY HOFFMAN

*Business Manager*

B.S., M.S., Gettysburg College.

STEVE C. DUNLAP

*Assistant Business Manager*

B.S., University of Pittsburgh.

JAY P. BROWN

*Bursar*

REX MADDOX

*Superintendent of Buildings and Grounds*

RAYMOND STROHM

*Bookstore Manager*

SEYMOUR B. DUNN

*Acting Director of Development*

A.B., Dartmouth College; A.M., Ph.D., Cornell University.

HOWARD B. MAXWELL

*Director of Alumni Relations*

A.B., Gettysburg College; A.M.T., Harvard University.

ROSEA ARMOR

*Administrative Assistant to the Director of Alumni Relations.*

RAYMOND S. DAVIS

*Director of Public Information*

B.S., Gettysburg College.

RONALD D. STAUB

*Assistant to the Director of Public Information*

A.B., Gettysburg College.

# The Faculty

(As of February 1, 1961)<sup>1</sup>

WILLARD STEWART PAUL, *President*

B.S., The Johns Hopkins University; A.M., LL.D., American University; LL.D., Roanoke College.

1956-

CHARLES H. GLATFELTER, *Acting Dean of the College*

A.B., Gettysburg College; Ph.D., The Johns Hopkins University.

1949-

## EMERITI

HENRY W. A. HANSON, *President, Emeritus*

A.B., A.M., Roanoke College; B.D., Lutheran Theological Seminary, Gettysburg; D.D., Gettysburg College; LL.D., Bucknell University, Lafayette College, and Wittenberg University.

1923-1952

WILBUR E. TILBERG, *Dean of the College, Emeritus*

A.B., Bethany College; A.M., University of Kansas; Ph.D., University of Wisconsin.

1927-1955

CLAYTON E. BILHEIMER, *Professor of Physical Education, Emeritus*

M.E., Lehigh University; A.M., Columbia University.

1928-1953

FRANK H. KRAMER, *Professor of Education, Emeritus*

A.B., Gettysburg College; A.M., Ph.D., University of Pennsylvania.

1920-1956

WILLIAM C. WALTEMYER, *Professor of English Bible, Emeritus*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg; A.M., Ph.D., American University.

1929-1960

JOHN B. ZINN, *Professor of Chemistry, Emeritus*

B.S., Gettysburg College; Ph.D., The Johns Hopkins University.

1924-1959

WILLIAM D. HARTSHORNE, JR., *Associate Professor of Romance Languages, Emeritus*

A.B., A.M., Haverford College; Diplôme de Professeur de français à l'étranger, University of Toulouse.

1928-1959

## PROFESSORS

JOHN WILLIAM ALBIG, *Visiting Professor of Social Science*

A.B., A.M., L.H.D., Gettysburg College; Ph.D., University of Michigan.

1960-

<sup>1</sup>Members of the faculty are listed alphabetically within rank. The dates given indicate the years of service on the faculty.

RICHARD A. ARMS, *Alumni Professor of Mathematics and Director of Dramatics, Department Chairman*

A.B., Ursinus College; Ph.D., University of Pennsylvania.

1920-

ALBERT BACHMAN, *Professor of Romance Languages, Department Chairman*<sup>3</sup>

Ph.D., University of Zurich; Agregation, University of Zurich; Ph.D., Columbia University.

1931-

ROBERT L. BLOOM, *Adeline Sager Professor of History, Department Chairman*

B.S., Shippensburg State College; A.M., Duke University; Ph.D., Columbia University.

1949-

M. ESTHER BLOSS, *Professor of Sociology, Department Chairman* ✓

A.B., Cornell University; A.M., Ph.D., Columbia University.

1953-

EARL BOWEN, *Dr. Charles H. Graff Professor of Biology, Department Chairman*

A.B., Hendrix College; A.M., Ph.D., Harvard University.

1939-

HENRY T. BREAM, *Professor of Health and Physical Education, Department Chairman*

B.S., Gettysburg College; A.M., Columbia University.

1926-

DOROTHY DOUGLAS, *Visiting Professor of Sociology*

A.B., Bryn Mawr College; A.M., Ph.D., Columbia University.

1957-

HAROLD A. DUNKELBERGER, *Amanda Rupert Strong Professor of Biblical Literature and Religion, Department Chairman*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg; Ph.D., Columbia University.

1950-

LT. COL. JOHN H. EDDY, *Professor of Military Science and Tactics, Department Chairman*

B.S., Virginia Polytechnic Institute.

1960-

RICHARD B. GEYER, *Graeff Professor of English, Department Chairman*

A.B., A.M., Miami University; Ph.D., Northwestern University.

1954-

JOHN G. GLENN, *Pearson Professor of Latin, Department Chairman*

A.B., A.M., Wesleyan University; Ph.D., Princeton University.

1925-

GRACE R. HESSE, *Visiting Professor of Romance Languages*

A.B., A.M., University of Michigan; Ph.D., University of Madrid.

1961-

<sup>3</sup>On leave of absence, second semester, 1960-1961



- CHESTER E. JARVIS, *Professor of Political Science, Department Chairman*  
A.B., A.M., University of California; Ph.D., University of Pennsylvania.  
1950-
- RICHARD T. MARA, *Sahm Professor of Physics, Department Chairman*  
A.B., Gettysburg College; M.S., Ph.D., University of Michigan.  
1953-
- FRANCIS C. MASON, *Professor of English*  
A.B., A.M., University of Virginia; A.M., Harvard University; Ph.D., University of Virginia.  
1925-
- INGOLF QUALLY, *Professor of Art, Department Chairman*  
A.B., St. Olaf College; B.F.A., M.F.A., Yale University.  
1956-
- NORMAN E. RICHARDSON, JR., *William Bittinger Professor of Philosophy, Department Chairman*  
A.B., Amherst College; B.D., Yale Divinity School; Ph.D., Yale University.  
1945-
- RUSSELL S. ROSENBERGER, *Professor of Education, Department Chairman*  
B.S., Geneva College; M.Litt., Ed.D., University of Pittsburgh.  
1956-
- CALVIN E. SCHILDKNECHT, *Ockershausen Professor of Chemistry, Department Chairman*  
B.S., Gettysburg College; Ph.D., The Johns Hopkins University.  
1959-
- WILLIAM FREDERICK SHAFFER, *Franklin Professor of Greek, Department Chairman*<sup>2</sup>  
A.B., A.M., Ph.D., Princeton University.  
1931-
- CHARLES A. SLOAT, *Professor of Chemistry*<sup>\*</sup>  
B.S., Gettysburg College; A.M., Haverford College; Ph.D., Princeton University.  
1927-
- KENNETH L. SMOKE, *Professor of Psychology, Department Chairman*  
A.B., A.M., Ph.D., Ohio State University.  
1927-1929, 1946-
- MILTON L. STOKES, *Professor of Economics, Department Chairman*  
A.B., A.M., LL.B., University of Toronto; Ph.D., University of Pennsylvania.  
1950-
- MAJOR WILLIAM N. STORMS, *Professor of Air Science, Department Chairman*  
B.S., Georgetown University.  
1958-

<sup>2</sup>On leave of absence, first semester, 1960-1961

WILLIAM K. SUNDERMEYER, *Professor of German, Department Chairman*  
Ph.D., University of Goettingen.  
1939-

PARKER B. WAGNILD, *Professor of Music, Department Chairman*  
A.B., St. Olaf College; M.S.M., Union Theological Seminary; B.D., Lutheran  
Theological Seminary, Gettysburg; A.M., New York University.  
1937-

GLENN S. WEILAND, *Professor of Chemistry*  
B.S., M.S., Ph.D., University of Maryland.  
1946-1947, 1949-

#### ASSOCIATE PROFESSORS

R. HENRY ACKLEY, *Associate Professor of Music*  
A.B., Western Maryland College; Peabody Conservatory of Music.  
1953-

FREDERICK C. AHRENS, *Associate Professor of German*  
A.B., University of Western Ontario; A.M., Ph.D., Columbia University.  
1946-

ROBERT D. BARNES, *Associate Professor of Biology*  
B.S., Davidson College; Ph.D., Duke University.  
1955-

GUILLERMO BARRIGA, *Associate Professor of Spanish*  
B.S., Colombian Naval Academy; M.A., Middlebury College; Ph.D., University  
of Madrid.  
1951-

HARRY F. BOLICH, *Associate Professor of Speech and Director of Debating*  
A.B., A.M., Bucknell University.  
1947-

BASIL L. CRAPSTER, *Associate Professor of History*  
A.B., Princeton University; A.M., Ph.D., Harvard University.  
1949-

WILLIAM C. DARRAH, *Associate Professor of Biology*  
B.S., University of Pittsburgh.  
1957-

EDWIN D. FREED, *Associate Professor of Biblical Literature and Religion*  
A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg;  
Ph.D., Harvard University.  
1948-1951, 1953-

CHARLES H. GLATFELTER, *Associate Professor of History*  
A.B., Gettysburg College; Ph.D., The Johns Hopkins University.  
1949-

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<sup>2</sup>On leave of absence, first semester, 1960-1961

- EUGENE M. HAAS, *Associate Professor of Health and Physical Education*  
A.B., Gettysburg College; A.M., Columbia University.  
1954-
- HERBERT G. HAMME, *Associate Professor of Romance Languages*  
A.B., Dickinson College; A.M., Gettysburg College.  
1922-1923, 1924-
- LESTER O. JOHNSON, *Associate Professor of Education*  
A.B., St. Olaf College; A.M., University of Minnesota.  
1930-
- GRACE C. KENNEY, *Associate Professor of Health and Physical Education*  
B.S., New York University; A.M., Columbia University.  
1948-
- RALPH D. LINDEMAN, *Associate Professor of English*  
A.B., University of Pittsburgh; A.M., Columbia University; Ph.D., University  
of Pittsburgh.  
1952-
- HAROLD M. MESSER, *Associate Professor of Biology*  
Ph.B., Brown University; A.M., Columbia University.  
1947-
- M. SCOTT MOORHEAD, *Associate Professor of Mathematics*  
B.S., M.A., Washington and Jefferson College; Ph.D., University of Pittsburgh.  
1955-
- CHARLES E. PLATT, *Associate Professor of Psychology*  
A.B., Wittenberg University; A.M., Ph.D., Ohio State University.  
1957-
- WILLIAM L. SANBORN, *Associate Professor of French*<sup>1</sup>  
A.B., Dickinson College; Diplôme Supérieur de Civilisation Française, Doctorat  
D'Université de Paris.  
1953-
- W. RICHARD SCHUBART, *Associate Professor of Philosophy*  
A.B., Dartmouth College; A.M., Columbia University.  
1950-
- JOHN D. SHAND, *Associate Professor of Psychology*  
A.B., Amherst College; A.M., Harvard University; Ph.D., University of  
Chicago.  
1954-
- KATHRINE KRESSMANN TAYLOR, *Associate Professor of English*  
A.B., University of Oregon.  
1947-
- CONWAY S. WILLIAMS, *Associate Professor of Economics*  
A.B., Columbia University; M.S., Columbia School of Business.  
1949-

<sup>1</sup>On leave of absence, second semester, 1960-1961

JOSEPH K. WOLFINGER, *Associate Professor of English*<sup>s</sup>

A.B., St. John's College; A.M., The Johns Hopkins University.  
1946-

WALDEMAR ZAGARS, *Associate Professor of Economics*

Ph.D., University of Riga, Latvia.  
1956-

EARL E. ZIEGLER, *Associate Professor of Mathematics*

B.S., M.S., Gettysburg College.  
1935-

#### ASSISTANT PROFESSORS

NORMAN L. ANNIS, *Assistant Professor of Art*

A.B., Iowa State Teachers College; M.F.A., State University of Iowa.  
1960-

CAPT. CHARLES H. AUER, *Assistant Professor of Military Science and Tactics*

B.S., Norwich University.  
1959-

PAUL R. BAIRD, *Assistant Professor of Economics*

A.B., A.M., Pennsylvania State University.  
1951-

PATRICK W. BARCLAY, *Assistant Professor of Art*

Diploma of Art, Edinburgh College of Art, Edinburgh University.  
1957-

NEIL W. BEACH, *Assistant Professor of Biology*

B.S., M.S., Ph.D., University of Michigan.  
1960-

ARTHUR B. BOENAU, *Assistant Professor of Political Science*

A.B., Amherst College; A.M., Columbia University.  
1957-

BRUCE W. BUGBEE, *Assistant Professor of History*

A.B., College of William and Mary; A.M., Ph.D., University of Michigan.  
1958-

ALBERT W. BUTTERFIELD, *Assistant Professor of Mathematics*

B.S., United States Naval Academy; A.M., University of Michigan.  
1958-

JOHN B. CARPENTER, *Assistant Professor of Health and Physical Education*

B.S., M.Ed., Pennsylvania State University.  
1958-

CHAN L. COULTER, *Assistant Professor of Philosophy*

A.B., State University of Iowa; M.A., Ph.D., Harvard University.  
1958-

E. DOUGLAS DANFELT, *Assistant Professor of Music*

B.Mus., Eastman School of Music; A.M., Columbia University.  
1955-

<sup>s</sup>On leave of absence, second semester, 1960-1961



THEODORE C. DANIELS, *Assistant Professor of Physics*

A.B., Oberlin College.

1954-

LEWIS B. FRANK, *Assistant Professor of Psychology*

B.S., Franklin and Marshall College; A.M., The Johns Hopkins University.

1957-

ROBERT H. FRYLING, *Assistant Professor of Mathematics*

A.B., Gettysburg College; M.S., University of Pittsburgh.

1947-1950, 1958-

HAROLD L. GLAD, *Assistant Professor of Health and Physical Education*

B.S., Maryville College; M.A., Columbia University.

1959-

LOUIS J. HAMMANN, *Assistant Professor of Biblical Literature and Religion*

A.B., Gettysburg College; B.D., Yale Divinity School.

1956-

LOUISE HARNED, *Assistant Professor of Political Science* ✓

A.B., Bryn Mawr College; M.A., Ph.D., Yale University.

1959-

J. RICHARD HASKINS, *Assistant Professor of Physics*

B.S., University of Texas; Ph.D., Ohio State University.

1959-

C. ROBERT HELD, *Assistant Professor of Latin*

A.B., Gettysburg College; A.M., Princeton University.

1954-1955, 1956-

JOHN T. HELD, *Assistant Professor of Education*

A.B., Gettysburg College; A.M., Columbia University; M.S., University of Illinois.

1960-

THOMAS J. HENDRICKSON, *Assistant Professor of Physics*

B.S., M.S., University of Michigan; Ph.D., Iowa State College.

1960-

ROBERT T. HULTON, *Assistant Professor of Health and Physical Education*

A.B., Grove City College.

1957-

R. EUGENE HUMMEL, *Assistant Professor of Health and Physical Education*

A.B., Gettysburg College; A.M., Columbia University.

1957-

SIGRID L. LEHNBERGER, *Assistant Professor of Romance Languages*

A.B., Hofstra College; A.M., Duke University.

1952-1956, 1959-

ROWLAND ELIZABETH LOGAN, *Assistant Professor of Biology*

A.B., University of California; M.S., Ph.D., Northwestern University.

1958-

MARIE MCLENNAND, *Assistant Professor of English* ✓

A.B., A.M., University of Pittsburgh.

1955-

- CAREY A. MOORE, *Assistant Professor of Biblical Literature and Religion*  
A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg.  
1955-1956, 1959-
- ARNE H. NIELSEN, *Visiting Assistant Professor of Romance Languages*  
Ph.D., State University of Iowa.  
1961-
- CAPT. ARNOLD L. PAPARAZO, *Assistant Professor of Air Science*  
B.S., Pennsylvania State University.  
1960-
- PAUL G. PETERSON, *Assistant Professor of Music*  
A.B., St. Olaf College; M.S.M., Union Theological Seminary.  
1960-
- JAMES D. PICKERING, *Assistant Professor of English*  
A.B., A.M., Wesleyan University.  
1954-
- CAPT. WILLIAM F. RICHARDSON, III, *Assistant Professor of Military Science and Tactics*  
A.B., Gettysburg College.  
1960-
- ALEX T. ROWLAND, *Assistant Professor of Chemistry*  
A.B., Gettysburg College; Ph.D., Brown University.  
1958-
- MAJOR EARL M. SCHMIDT, *Assistant Professor of Air Science*  
B.S., Arizona State University; M.B.A., Harvard University.  
1959-
- WALTER J. SCOTT, *Assistant Professor of Physics*  
A.B., Swarthmore College; M.S., Lehigh University.  
1959-
- HOWARD G. SHOEMAKER, *Assistant Professor of Health and Physical Education*  
A.B., Gettysburg College; A.M., Columbia University.  
1957-
- CAPT. WELDA A. SMITH, *Assistant Professor of Air Science*  
B.S., Trinity University.  
1958-
- ROBERT H. TRONE, *Assistant Professor of Biblical Literature and Religion*  
A.B., Gettysburg College; B.D., Yale Divinity School.  
1956-
- ESTHER CHASE WOOD, *Assistant Professor of Psychology*<sup>2</sup>  
A.B., Pennsylvania State University; A.M., Columbia University.  
1957-

#### INSTRUCTORS

- JAMES W. ALEXANDER, *Instructor in History*  
A.B., Dartmouth College; M.S., University of Wisconsin.  
1957-

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<sup>2</sup>On leave of absence, second semester, 1960-1961

- JOSEPH S. BACHMAN, *Instructor in History*  
B.S., Davidson College; A.M., University of North Carolina.  
1960-
- EDWARD J. BASKERVILLE, *Instructor in English*  
B.S., Lehigh University; A.M., Columbia University.  
1956-
- GARETH V. BISER, *Instructor in Health and Physical Education*  
B.S., Gettysburg College; M.S., Syracuse University.  
1959-
- MARIE BUDDÉ, *Instructor in Voice*  
B.M., Curtis Institute of Music; Peabody Conservatory of Music.  
1958-
- CAROLINE M. CAMERON, *Instructor in Spanish*  
A.B., Wellesley College; A.M., Columbia University.  
1959-
- GLENDON F. COLLIER, *Instructor in German and Russian*  
A.B., Franklin and Marshall College; A.M., University of California.  
1957-
- CURTIS E. COULL, *Instructor in Health and Physical Education*  
A.B., Gettysburg College; M.Ed., Temple University.  
1958-
- PATRICIA D. GEISER, *Instructor in Chemistry*  
A.B., Gettysburg College.  
1960-
- ROBERT M. GEMMILL, *Instructor in Economics*  
A.B., Gettysburg College; A.M., University of Pennsylvania.  
1958-
- KARL F. HARSHBARGER, *Instructor in English and Coordinator of Dramatics*  
A.B., University of Oregon; A.M., The Johns Hopkins University.  
1960-
- ROBERT S. KNOX, *Instructor in Political Science*  
A.B., Harvard College; A.M., Georgetown University.  
1959-
- JAMES R. KRUM, *Instructor in Economics*  
A.B., Gettysburg College; M.S., Pennsylvania State University.  
1959-
- ILSE LANGERHANS, *Instructor in German*<sup>3</sup>  
Graduate of Augusta Lycee; A.B., Gettysburg College.  
1958-
- JACK LOCHER, *Instructor in English*  
A.M., University of Chicago.  
1957-

<sup>3</sup>On leave of absence, second semester, 1960-1961

JOHN H. LOOSE, *Instructor in English*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg.  
1959-

NANCY K. MITCHELL, *Instructor in Health and Physical Education*

A.B., Gettysburg College; M.Ed., Western Maryland College.  
1958-

SAMUEL A. MUDD, *Instructor in Psychology*

A.B., Gettysburg College; M.S., Purdue University.  
1958-1959, 1961-

SHIRLEY A. O'DAY, *Instructor in Health and Physical Education*

B.S., University of Delaware.  
1960-

MAYNARD R. PLAYFOOT, *Instructor in Romance Languages*

A.B., A.M., New York State College for Teachers.  
1956-

JOHN RIDINGER, *Instructor in Health and Physical Education*

B.S., Gettysburg College.  
1956-

DONALD C. RIECHEL, *Instructor in German*

A.B., Columbia University; A.M., Northwestern University.  
1961-

AVERY SHEAFFER, *Instructor in Sociology*

B.S., Ohio State University; A.M., American University.  
1957-

MARY MARGARET STEWART, *Instructor in English*

A.B., Monmouth College; Ph.D., Indiana University.  
1959-

PHILIP L. STRONG, *Instructor in English*

A.B., A.M., Columbia University.  
1960-

NELSON R. SULOUFF, *Instructor in Biblical Literature and Religion*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg.  
1958-

JANIS H. WEANER, *Instructor in Spanish*

A.B., Mary Washington College of the University of Virginia; A.M., New York University.  
1957-

#### ASSISTANT INSTRUCTORS

SGT. BILLY A. DAVIS, *Assistant Instructor in Military Science and Tactics*

T/SGT. FRANK B. DAVIS, *Assistant Instructor in Air Science*

SFC JOHN B. HILL, *Assistant Instructor in Military Science and Tactics*

SFC ARMAND F. PROSPERI, *Assistant Instructor in Military Science and Tactics*

SFC CHARLES H. PURSLEY, *Assistant Instructor in Military Science and Tactics*

A/IC DOUGLAS W. SALO, *Assistant Instructor in Air Science*



M/SGT. GENE ST. CLAIR, *Assistant Instructor in Military Science and Tactics*

T/SGT. DONALD L. SWIGER, *Assistant Instructor in Air Science*

M/SGT. SHELDON K. WAITE, *Assistant Instructor in Military Science and Tactics*

#### LECTURERS

JACK R. CORBIN, *Physics*

B.S., Millersville State College.

HELEN H. DARRAH, *Biology*

B.S., M.S., University of Pittsburgh.

LENA FORTENBAUGH, *German* ✓

A.B., Syracuse University; A.M., Gettysburg College.

JEAN ANNE HARTZELL, *English*

A.B., Gettysburg College.

LOUISE B. HARTZELL, *English*

A.B., Susquehanna University; A.M., University of Minnesota.

LOIS KADEL, *Music*

B.S., West Chester State College; M.S.M., Union Theological Seminary.

HOWARD W. MILLER, *English*

A.B., Washington College; A.M., University of Maryland.

#### PRIVATE INSTRUCTORS IN APPLIED MUSIC

TOINI K. HEIKKINEN, *Organ and Piano*

M.B., Oberlin Conservatory.

CLYDE MUMMERT, *Violin*

B.S., Gettysburg College.

J. HERBERT SPRINGER, *Organ and Piano*

Student of Tobias Matthay and of Frank Manheimer, London, England.

#### RESEARCH ASSISTANT AND LECTURER

HANS-PETER BAER, *Chemistry*

Cand. Chem., Technische Hochschule, Darmstadt, West Germany.

#### ASSISTANTS

BETTY M. BARNES, *Biology*

A.B., Winthrop College; A.M., Duke University.

HARRIETT E. BEACH, *Biology*

A.B., M.S., University of Michigan.

TROCELIA W. COULTER, *Biology*

A.B., Drake University; A.M., State University of Iowa.

BARBARA T. WASHBURN, *Biology*

A.B., Indiana University.

# Statistical Summary

FIRST SEMESTER 1960-1961

## STUDENTS IN COLLEGE

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Senior	242	107	349
Junior	222	142	364
Sophomore	262	161	423
Freshman	356	179	535
Special	13	15	28
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Total	1095	604	1699

## GEOGRAPHICAL DISTRIBUTION

	<i>Students</i>
Pennsylvania	800
New Jersey	319
New York	236
Maryland	144
Connecticut	35
Massachusetts	25
Virginia	23
Washington, D. C.	18
Delaware	10
Ohio	10
Other states	70
Foreign countries	9
	----
	1699

# Commencement 1960

JUNE 5

Commencement Speaker

GABRIEL HAUGE

## BACHELOR OF ARTS

SUMMA CUM LAUDE

Mervin R. Dilts

Linda Anne Seebach *L*

MAGNA CUM LAUDE

Stephen Gray Bishop  
James Harvey Brenneman  
Donna Jean Brogan  
Richard John Davidyock  
Virginia Blanche Dorn  
Julia Behrens Gatter  
Mary Anne Heckler  
Elizabeth Cassel Heldt

John Franklin Miller, III  
Edward Leo Palmer  
Robert Troutt Parry  
Howard Nevin Peters  
Ludwig Frederick Schlecht, Jr.  
Helen Rimmel Barley Staub  
Janet Lucille Weitcomb  
William Henry Wertman

CUM LAUDE

Diana Elisabeth Brehl  
\*Rita Marie Frey  
James Edward Garman  
Florence Elizabeth Heckman  
Robert John Menges  
Lois Ann Moyer  
Sue Ann Ruby

\*Louise Caroline Schilpp  
Paull Edward Spring, Jr.  
Karl Peter Stofko  
Theodora Prinz Tichy  
Gerald William Vickery, Jr.  
Claire Carolyn Wilent

RITE

Henry Eberhardt Abbott  
Roger Lee Albright  
Ruth Louise Alcorn  
Roger Sereno Alling  
Robert John Applegate, Jr.  
Joseph Anthony Arcesi  
\*George Edward Aumiller  
Franklin B. Austler, Jr.  
John David Axe  
John Earl Baer  
\*William Max Bartholet  
Susan Elizabeth Baumgardner  
Alan Richard Bauroth

Bradley Muhlenberg Bennetch  
Richard Mack Bentz  
Paul Walter Berger  
John David Beuchler  
Frederick Harvey Bigelow  
James Howard Binkley  
Lehner Keith Bittle  
Russell Harry Bittle  
Raymond Charles Black  
\*\*Vincent Salvatore Bosco  
David Lee Bowen  
Paul Edward Bowersox  
Robert Herlitzius Boyer

\*Completed requirements January 28, 1960

\*\*Completed requirements August 28, 1959

- Michael Bramley  
David Robert Bright  
Mary Lou Briglia  
Susan Fissel Britcher  
Leland Blair Brown  
William Malcolm Brown  
Robert Guy Browning, Jr.  
Alan Lester Buechler  
David Barton Bullett  
Mary Jane Callis  
Donald V. Capece  
Patricia Ann Carr  
Ralph Beam Carruthers  
Peter Joseph Casagrande  
\*\*Donald Joseph Chamberlain  
Garnet Nathan Coble, Jr.  
Judy Ann Coffman  
Joseph Anderson Conaway  
Charles Hunter Corbett  
Elizabeth Madeline Schuler Cornay  
\*Raymond Stanley Cranmer  
Thomas Jefferson Crum  
Roger Simmons Crump  
William Rowland Davies  
Marian Elizabeth Davis ✓  
Barbara Margaret Dean  
Ralph Edward Dendler, Jr.  
Judith Ann Derr  
Charles Howard Dey  
Walter John Dick  
Walther Huntington Dickinson  
\*\*Goeffrey Martin Dobson  
Joseph James Donahue  
Francis J. Dougherty  
Lawrence Parker Drewes  
Edwin Tyrone Egeland  
Kathryn Wiebel Eiler  
Robert Eldridge  
Martin F. Elliott  
Emil James Engelman  
\*\*William Weaver Enterline  
Frank Joseph Fiore  
Harold Lane Fishburn  
William Robert Fleischman, Jr.  
\*\*Roger Edwards Fleming  
Daniel Clay Fought  
David Richard Franz  
Robert Arthur Fulton  
Michael Humbert Galassi  
Michael Enrico Galdino  
Jon Biron Ganser  
Mark Kuebler Gass, Jr.  
Herman Leroy George, Jr.  
Jed Goldstein  
Fred Irvin Grace  
Thomas Foster Green  
Walter Robin Greif  
Gerald Gordon Griffin  
\*Edna Bertha Grommis ✓  
Jean Nissley Grzelecki  
E. Boyd Gummo  
Andrew Fenn Gurley  
James Robert Guthrie  
Barry David Gwinn  
Edwin Melvin Hackenberg  
\*Richard Lee Hadfield  
Isaiah Haines, III  
David Bruce Haman  
James Ronald Hamsher  
Lee Gordon Hanes  
Sarah Ann Hannah  
George Edward Hanrahan  
\*Charles Millard Harter  
Waldo Theodore Hartman  
\*\*Jack Dalton Hathaway  
Joseph Norton Hazen  
George Patrick Henry  
Norman Hobart Henry  
David Reay Hertzler  
Richard Earl Hess  
Harvard MacDonald Hicks  
Theodore R. Hise  
Ann Holcombe  
Kay A. Horner  
John Joseph Howard, Jr.  
\*Barbara Ann Hrbek  
Gertrude Albertson Huber  
William Allen Hunt  
\*\*Thomas William Hyland  
Robert Dietz Hyson  
Yoko Ishikawa  
John Theodore Johnson  
Thomas James Johnson, Jr.  
Walton Raoul Johnston, III  
Mary Margaret Joseph ✓  
Jeffrey Lynn Kahler  
Kenneth Cyril Kamis  
Joan Nan Katz  
John Harold Keen  
Alan Robert Keim

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\*Completed requirements January 28, 1960

\*\*Completed requirements August 28, 1959



Constance Elaine Keller ✓  
 Linda Marguerite Kennison ✓  
 Craig Ridgway Kerr  
 Judith Marie Keyes ✓  
 Kenneth Leroy Kilheffer  
 \*\*Earl Selby King  
 \*\*Paul Francis King  
 David Edgar Klepper, Jr.  
 James Herbert Klinefelter, Jr.  
 Thomas Joseph Knox  
 Gerald Mark Kollhoff  
 \*\*Williamson Carter Koven  
 Gerald Arthur Krum  
 Jack Williams Kunkel  
 Roland Lamar Kurtz  
 Linda Sue Lack  
 Caleb Rodney Layton, Jr.  
 Robert Charles Lecher  
 Lynda Joyce Leonard  
 Michael Levengood  
 \*\*Donald Eugene Lieberknecht  
 Dale Richard Lind  
 Robert Lee Lindstrom  
 Roswell Hunt Lyon, III  
 Thomas Lynn McClellan  
 Howard Pleasant McClure, Jr.  
 Donald Spencer McCord, Jr.  
 Joel Mercer McKean  
 Elmer John McKechnie, Jr.  
 James F. McQuilkin, Jr.  
 Carol-Lynne MacArthur  
 Charles Quicksall MacDonough, III  
 Donald Barry MacGibeny  
 Frederick Carl Marcks  
 Virginia Tepp Marcks ✓  
 Beverly Ann Mears  
 \*\*Robert C. Melech  
 Arthur Lee Mentzer  
 Walter Samuel Mervine, Jr.  
 Carol Ann Middleton  
 Rodney Starner Miller, Jr.  
 Howard Westley Minnich, Jr.  
 John Minsker Moltz, Jr.  
 \*\*John Ferguson Montgomery  
 Elaine Van Cleef Mook  
 \*Barbara Lee Moore  
 Fred William Mueller  
 Harvey McMillen Mumma  
 Fraidoun Nassehi  
 Miriam Eater Nell

Ronald Emil Nietzsche  
 Thomas Clayton Norris  
 \*\*James Lewis O'Brien  
 Nancy Elizabeth Ottmann ✓  
 Charles Herbert Parkell, Jr.  
 Alan Lewis Parker  
 Ray S. Paskell, Jr.  
 \*\*Herbert Meeth Payne, Jr.  
 Melvin Newbold Payton  
 Harrison Richard Pearce, Jr.  
 \*\*Kenneth Robertson Pelton, Jr.  
 Curtis Boyd Pfeiffer  
 \*Garry Clayton Pflug  
 Thomas Irvin Propst  
 Paul Prutzman, Jr.  
 \*\*Eugene Arthur Powell  
 William Claude Pursch  
 Charles William Richter  
 Herbert Saul Rigberg  
 James David Risser  
 Frederick Marshall Ritter, Jr.  
 Richard William Ruesch  
 Charles Edward Ruhl  
 Barbara Ann Sampson  
 Dawn Ilene Schaeffer ✓  
 Karen Sue Schaumann ✓  
 John Christian Scheffey  
 Floyd Frederick Schmid  
 \*\*Thomas Laurence Sebring  
 Henry Carl Seekamp  
 Robert Daniel Selak  
 \*Carol Kusiv Severe  
 John Richard Sharrah  
 K. Bruce Sherbine  
 Richard France Shimer  
 Ronald Earl Shonk  
 Sally Elizabeth Skomsky  
 Allen Roy Slater  
 William Edward Slifer  
 Cynthia Lee Smith  
 Loren Howard Smith ✓  
 John Geering Snook  
 \*\*Paul Arthur Snowman  
 \*\*Charles Edward Snyder, Jr.  
 Marjorie Jean Snyder ✓  
 \*Joseph A. Steger, III  
 Gilbert W. Stiles  
 Jane Elizabeth Stites ✓  
 Robert Carl Strait  
 \*\*Roscoe Lee Strawn

\*Completed requirements January 28, 1960

\*\*Completed requirements August 28, 1959

\*Nancy Ellen Susser ✓  
 \*\*George William Sweet  
   George Franklin Thomas, III  
   Ronald Folk Thomson  
   Bruce Edward Thornton  
   Mary Virginia Toner  
   Jere Lee Towson  
   John Andrew Ulrich  
 \*\*George Albert Urban  
   Douglas Underkoffler  
   Joan Griffith Wachob  
   Gary Frederic Wachter  
   Ralph Howard Wagoner  
 \*\*Frederick Benjamin Walker  
 \*\*Suzanne Cecile Pelton Walker  
   John Allen Weaver  
   Walter Henry Wedemeyer

\*\*Louis Theodore Weis, Jr.  
 \*\*Peter Boyd White  
   Robert Henry Willoughby  
 \*\*John Harmon Wilson, III  
   Norman Joseph Wilson  
   Mildred Halo Wines ✓  
   Keith Burton Wolff  
 \*Sandra Lou Wolff  
   Ralph Lawrence Wood, Jr.  
   Ronald Edmund Wood  
   William Boyd Wood  
   William Hamilton Wunner  
   John Charles Yingst  
   Barbara Lou Young  
   Conrad Bomberger Youse  
   James Lawrence Zerbe  
   Charles LaMar Ziegler, Jr.

## BACHELOR OF SCIENCE IN MUSIC EDUCATION

### RITE

\*Sally Ann Africa  
 Judy Haldeman

Sandra Eloise Hamm  
 Joyce Ann Kendlehart

## BACHELOR OF SCIENCE IN HEALTH AND PHYSICAL EDUCATION

### RITE

\*\*George Thomas Billman  
   Edgar Fulton Books, Jr.  
 \*\*Gino Ramon Calcagni  
 \*\*Penelope Lois Cance  
   Peter Charles Christ  
   C. Bartley Elfman, Jr.  
   Lois Eleanor Fink  
   Maurice C. Frontz, Jr.  
   Richard Menges Hawkins

John Robert Henry, Jr.  
 Redding Frazier Hicks  
 James Quentin Kiick  
 \*\*William Henry Morrow, Jr.  
   James Muhlenberg Moyer  
   Robert Charles Muff  
   John Emens Perrine  
 \*\*John David Yohn

---

\*Completed requirements January 28, 1960

\*\*Completed requirements August 28, 1959

## HONORARY DEGREES

### DOCTOR OF DIVINITY

Augustus Hackmann  
Elmer P. Truchses

### DOCTOR OF HUMANE LETTERS

John William Albig

### DOCTOR OF LITERATURE

Edward L. R. Elson

### DOCTOR OF LETTERS IN JOURNALISM

Pauline Frederick

### DOCTOR OF LAWS

Harry F. Baughman  
Roger M. Blough  
Gabriel Hauge

## COMMISSIONS

### UNITED STATES ARMY COMMISSIONS

#### DISTINGUISHED MILITARY GRADUATES

Joseph Anthony Arcesi  
Richard Mack Bentz  
James Harvey Brenneman  
Peter Joseph Casagrande  
Richard John Davidyock

Charles Bartley Elfman, Jr.  
John Minsker Moltz, Jr.  
\*\*Peter John Ninesling  
\*William Claude Pursch

#### MILITARY GRADUATES

Henry Eberhardt Abbott  
Roger Lee Albright  
\*Alan Richard Baurth  
David Robert Bright  
William Rowland Davies  
Edwin Tyrone Egeland  
\*Martin F. Elliott  
\*Isaiah Haines, III  
Craig Ridgway Kerr  
\*Gerald Mark Kollhoff  
Jack Williams Kunkel  
\*James F. McQuilkin, Jr.

Arthur Lee Mentzer  
James Muhlenberg Moyer  
Frederick William Mueller  
\*Ronald Emil Nitzsche  
Henry Carl Seekamp  
\*Floyd K. Shockley  
John Geering Snook  
Gilbert W. Stiles  
Jere Lee Towson  
Keith Burton Wolff  
\*Ralph Lawrence Wood, Jr.  
(\*)James Lawrence Zerbe

\*To be commissioned upon completion of ROTC Summer Camp

\*\*To be commissioned upon completion of Second Semester, Summer School

(\*)Graduated June, 1959, from Gettysburg College

UNITED STATES MARINE CORPS COMMISSIONS

*To be commissioned in the United States Marine Corps Reserve*

Harvard McDonald Hicks

Richard France Shimer

Redding Frazier Hicks

UNITED STATES AIR FORCE COMMISSIONS

*Commissioned as Second Lieutenants in the United States Air Force Reserve*

John Earl Baer

\*Raymond Charles Black

\*\*Mark Kuebler Gass, Jr.

Herman Leroy George, Jr.

Thomas Foster Green

Walter Robin Greif

Edwin Melvin Hackenberg

\*\*Norman Hobart Henry

Frederick Carl Marcks

Robert Charles Muff

Charles Herbert Parkell, Jr.

Douglas Reed Underkoffler

---

\*Distinguished AFROTC Graduate

\*\*To be commissioned upon completion of AFROTC Summer Training

HONORS

VALEDICTORIAN

Linda Anne Seebach

SALUTATORIAN

John Franklin Miller, III

SENIORS ELECTED TO PHI BETA KAPPA

Donna Jean Brogan

Linda Anne Seebach

Mervin R. Dilts

Edward Leo Palmer

Ludwig Frederick Schlecht

Mary Anne Heckler

Stephen Gray Bishop

Robert Troutt Parry

Janet Lucille Weitcomb

Richard John Davidyock

Howard Nevin Peters

James Harvey Brenneman

Virginia Blanche Dorn

Barbara Lee Moore

John Franklin Miller, III

Elizabeth Cassel Heldt

Julia Behrens Gatter

Helen Remmel Barley Staub

William Henry Wertman

Sue Ann Ruby

DEPARTMENTAL HIGHEST HONORS

IN BUSINESS ADMINISTRATION

AND ECONOMICS

Robert Troutt Parry

IN GREEK

John Franklin Miller, III

IN LATIN

Mervin R. Dilts

\*Rita Marie Frey

IN MATHEMATICS

Linda Anne Seebach

William Henry Wertman

IN SOCIOLOGY

Robert Dietz Hyson

IN SPANISH

Howard Nevin Peters

---

\*Completed requirements January 28, 1960



## DEPARTMENTAL HONORS

### IN BIOLOGY

Virginia Blanche Dorn  
Kathryn Wiebel Eiler  
Karl Peter Stofko

### IN BUSINESS ADMINISTRATION AND ECONOMICS

James Harvey Brenneman  
Richard John Davidyock  
Lois Ann Moyer  
Edward Leo Palmer

### IN CHEMISTRY

Mary Anne Heckler

### IN ENGLISH

Helen Rimmel Barley Staub  
Janet Lucille Weitcomb

### IN HISTORY

James Edward Garman  
Paull Edward Spring, Jr.

### IN MATHEMATICS

Donna Jean Brogan  
Julia Behrens Gatter

### IN PHILOSOPHY

John Franklin Miller, III  
Ludwig Frederick Schlecht, Jr.

### IN PHYSICAL EDUCATION

Sue Ann Ruby  
Gerald William Vickery, Jr.

### IN PHYSICS

Stephen Gray Bishop

### IN PSYCHOLOGY

Frederick Harvey Bigelow  
\*Garry Clayton Pflug  
\*\*Eugene Arthur Powell  
Robert Henry Willoughby

### IN SOCIOLOGY

Claire Carolyn Wilent

### IN SPANISH

Florence Elizabeth Heckman

\*Completed requirements January 28, 1960

\*\*Completed requirements August 28, 1959

## HONORS

### HIGHEST CLASS HONORS

Stephen Gray Bishop  
Mervin R. Dils  
Linda Anne Seebach

### CLASS HONORS

Ruth Louise Alcorn  
Diana Elisabeth Brehl  
James Harvey Brenneman  
Donna Jean Brogan  
Peter Joseph Casagrande  
Richard John Davidyock  
Walter John Dick  
Virginia Blanche Dorn  
Kathryn Wiebel Eiler  
Rita Marie Frey  
Judy Haldeman  
Mary Anne Heckler  
Robert Dietz Hyson  
Mary Margaret Joseph  
Joyce Ann Kendlehart

John Franklin Miller, III  
Harvey McMillen Mumma  
Edward Leo Palmer  
Alan Lewis Parker  
Robert Troutt Parry  
Howard Nevin Peters  
Sue Ann Ruby  
Ludwig Frederick Schlecht, Jr.  
Helen Rimmel Barley Staub  
Karl Peter Stofko  
Theodora Prinz Tichy  
Gerald William Vickery, Jr.  
William Henry Wertman  
Charles LaMar Ziegler, Jr.

## PRIZES AND AWARDS

### BAUM MATHEMATICAL PRIZE

Irene Brodish

WITH HONORABLE MENTION

James D. Schmucker

### BEACHEM AWARD

Richard John Davidyock

James Campbell Hess

### BETA BETA BETA JUNIOR PRIZE

Robert Merrill Cohn

### CHI OMEGA SOCIAL SCIENCE AWARD

Emily Ann Payne

### MALCOLM R. DAUGHERTY

### MATHEMATICAL AWARD

Judith Lynn Hofreiter

WITH HONORABLE MENTION

Ronald Edgar Bailey

Sheldon Irwin Karabell

### DELTA GAMMA ALUMNAE

### ASSOCIATION AWARD

Doris Jean Kurzenknabe

### DELTA PHI ALPHA PRIZE

Robert Delp Hershey, Jr.

### ANTHONY DI PALMA

### MEMORIAL AWARD

Emily Ann Payne

### MARGARET E. FISHER

### MEMORIAL AWARD

William Elwood Fitzkee

### GARVER GREEK PRIZE

Gabriel Deutsch

Dale Leroy Sultzbaugh

### GARVER LATIN PRIZE

Gabriel Deutsch

### GRAEFF ENGLISH PRIZE

Peter Joseph Casagrande

### HAMME AWARD

Phyllis Ann Boys

James Edward Emerson, Jr.

Michael Joel Reichgott

### HANSON AWARD

John Franklin Miller, III

### HASSLER LATIN PRIZE

Johanna Mary Menge

### FRANK H. KRAMER AWARD

Alan Lester Buechler

### LUTHERAN BROTHERHOOD AWARD

Nancy Lee Kessler

Howard Frederick Reisz, Jr.

Jon Parker Wagnild

### MARTIN LUTHER FELLOWSHIP

Joel Mercer McKean

Robert John Menges

### MILITARY MEMORIAL PRIZE

Ralph Frederick Guise

Air Science

James Harvey Brenneman

Military Science

### MOORE AWARD

Sue Ann Ruby

Ludwig Frederick Schlecht, Jr.

### MUHLENBERG FRESHMAN PRIZE

Gabriel Deutsch

### WM. F. MUHLENBERG AWARD

Fred Fisher Fielding

### NATIONAL DEFENSE

### EDUCATIONAL FELLOWSHIP

Robert Troutt Parry

Howard Nevin Peters

Mervin R. Dilts

### NICHOLAS BIBLE PRIZE

David Edgar Klepper, Jr.

### CLAIR B. NOERR MEMORIAL AWARD

Sue Ann Ruby

### WILLIAM H. PATRICK AWARD

Herbert Fifield Moulton

### PENNSYLVANIA INSTITUTE OF

### CERTIFIED PUBLIC ACCOUNTANTS

### AWARD

Edward Leo Palmer

### PHI SIGMA IOTA PRIZE

Howard Nevin Peters

Florence Elizabeth Heckman

PI DELTA EPSILON AWARD

Patricia Ann Carr  
James Edward Garman

PSI CHI AWARD

Barbara Margaret Dean

SCEPTICAL CHYMISTS PRIZE

Ronald Lanny Van Heertum  
Robert Joseph Woltersdorf

STINE CHEMISTRY PRIZE

Mary Anne Heckler

DR. GEORGE W. STONER AWARD

Robert Charles Lecher

STUDENT AFFAIRS COMMITTEE AWARD

Raymond Charles Black

WOODROW WILSON FELLOWSHIPS

Mervin R. Dils

WITH HONORABLE MENTION

Linda Anne Seebach  
James Edward Garman  
Ludwig Frederick Schlecht, Jr.

ZIMMERMAN SENIOR PRIZE

Peter Joseph Casagrande

WEAVER ESSAY PRIZE

Fred Fisher Fielding  
Kenneth Henry Geils

1959-1960 JUNIOR

HIGHEST CLASS HONORS

Hannelore E. Scharek

CLASS HONORS

Robert Merrill Cohn  
Fred Fisher Fielding  
Bruce Kieffer Horne  
Marlene Beatrice Hyson  
Anne Roberto Ide  
Gary Graham Jackson  
Nancy Lee Kessler  
Doris Jean Kurzenknabe  
David Allan McGaughy

Joan Ellen Myers  
Emily Ann Payne  
Raymond Henry Phyles  
Michael Joel Reichgott  
Howard Frederick Reisz, Jr.  
Lois Kathryn Shook  
Patrica Ann Sweigart  
James Arthur Yingling

1959-1960 SOPHOMORE

CLASS HONORS

Elizabeth Ellen Graves  
Joan Marie Hildebrandt  
Leslie Noyes

Barbara Annette Roos  
Carol Marie Williams  
Joyce Elaine Wolford

1959-1960 FRESHMAN

HIGHEST CLASS HONORS

Dorothy Jean Heissenbuttelt

CLASS HONORS

Pamela White Caswell  
Gabriel Deutsch  
Judith Ann Dingler  
Lucy Helena Forster  
Harry Lane Kneeder

Elizabeth Jean Platt  
Donna Jo Rickrode  
Marianne Smith  
James Spangler Vinson

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PHOTOGRAPHIC CREDITS: Ziegler Studio, Lane Studio, Joseph Crilley, Robert Kelly, Robert Eigenrauch, Paul Montgomery, Aero Service Corporation. CAMPUS MAP: Roy D. Miller, Jr.

# Gettysburg College Bulletin



The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time, but its practice is to make no provisions retroactive.



# Gettysburg College Bulletin

CATALOGUE NUMBER  
ANNOUNCEMENT OF COURSES  
FOR 1962-1963



Vol. LII No. 3 April 1962

GETTYSBURG COLLEGE

GETTYSBURG, PENNSYLVANIA



# Gettysburg College

*Liberal Arts*

*Coeducational*

*Privately Supported*

*Church Related*

*Residential*

*Student Body of about 1700*





# The Calendar 1962-1963

## SUMMER SESSION 1962

June 6	<i>Wednesday</i>	First session begins
July 13	<i>Friday</i>	First session ends
July 16	<i>Monday</i>	Second session begins
August 21	<i>Tuesday</i>	Second session ends

## FALL SEMESTER 1962

September 9-12	<i>Sunday-Wednesday</i>	Orientation Week and Registration
September 13	<i>Thursday</i>	Classes begin, 7:50 A.M.
September 13	<i>Thursday</i>	Formal Opening Exercises, 11:00 A.M.
October 20	<i>Saturday</i>	Alumni Homecoming
November 3	<i>Saturday</i>	Father's Day
November 5	<i>Monday</i>	Midsemester Reports Due
November 21	<i>Wednesday</i>	Thanksgiving Recess begins, 12:00 Noon
November 26	<i>Monday</i>	Thanksgiving Recess ends, 7:50 A.M.
December 15	<i>Saturday</i>	Christmas Recess begins, 12:00 Noon
January 3	<i>Thursday</i>	Christmas Recess ends, 7:50 A.M.
January 7-9	<i>Monday-Wednesday</i>	Senior Comprehensives for January graduates
January 14-23	<i>Monday-Wednesday</i>	Semester Examinations

## SPRING SEMESTER 1963

January 28	<i>Monday</i>	Registration
January 29	<i>Tuesday</i>	Classes begin, 7:50 A.M.
March 1-2	<i>Friday-Saturday</i>	Interfraternity Weekend
March 20	<i>Wednesday</i>	Midsemester Reports due
April 8	<i>Monday</i>	Founders' Day observance
April 9	<i>Tuesday</i>	Easter Recess begins, 12:00 Noon
April 17	<i>Wednesday</i>	Easter Recess ends, 7:50 A.M.
May 4	<i>Saturday</i>	Mother's Day
7-9 May 6-8	<del><i>Monday-Wednesday</i></del>	Senior Comprehensives
May 15	<i>Wednesday</i>	Spring Registration
May 16-25	<i>Thursday-Saturday</i>	Semester Examinations
June 1	<i>Saturday</i>	Alumni Day
June 2	<i>Sunday</i>	Baccalaureate and Commencement



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# An Introduction to Gettysburg

IN THE simple and straightforward language of the charter by which it came into being in 1832, Gettysburg College exists "to exert a salutary influence in advancing the cause of liberal education." That has been its primary purpose in the past. It is its primary purpose today.

A liberal education was once thought of as mastery in those studies considered appropriate for "freemen" as distinguished from members of the servile classes. Now we would define it in different terms. We would say that it is the education which frees a man, whatever his social background might be, from the tyranny of having to think and act solely on the strength of his own personal experiences, which by their very nature are limited and partial. A liberal education develops his capacity to interpret and generalize upon experience. And, in so doing, it leads him to an understanding of his own capabilities and limitations, of the relationships which he must establish with others, and of the universe in which he lives. A liberal education prepares one to think with imagination and precision, to form wise judgments, and to act in many different types of situations on the basis of a critical consideration of all available information.

As a community of learning, Gettysburg College is dedicated first and foremost to developing the intellect. But the faculty knows that learning alone, priceless though it may be, is not enough. Every life, if it is not to be like a ship without a rudder, needs the direction which allegiance to sound moral and spiritual values alone can provide. As a Christian college, Gettysburg endeavors to maintain an atmosphere in which its students will be encouraged to examine and recognize the merits of Christian values and ideals in the development of their personalities.

The curriculum of liberal arts and sciences which the College offers young men and women reflects its primary purpose. The student is given opportunity to improve his command of written and spoken English, in-



dispensable tools for whatever he wants to do. He gains a degree of mastery in at least one foreign language. He studies the methods of the natural and social sciences. He acquaints himself more fully with history, philosophy, religion, literature, art, and music, especially of the Western World.

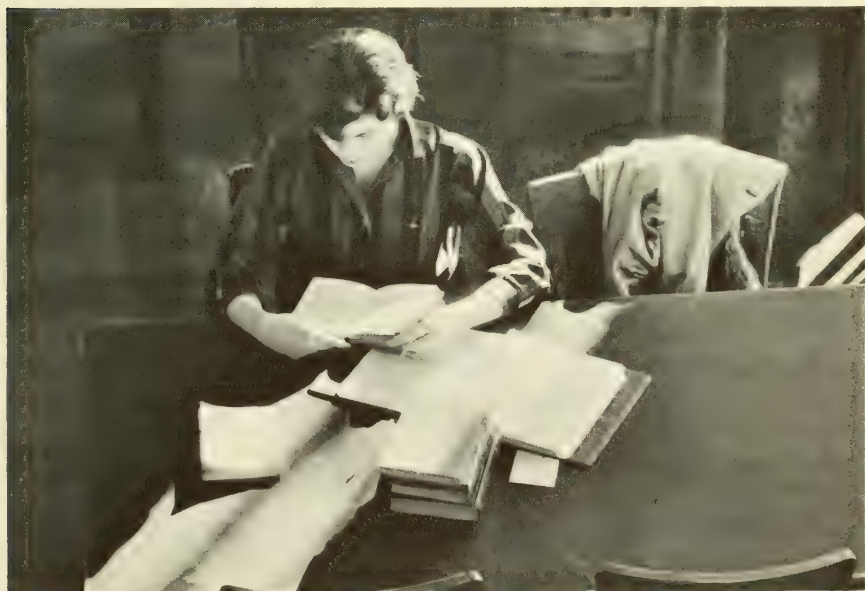
Along with his efforts to gain a breadth of knowledge the student begins to major in a field of study which particularly interests him and which may be related to the career he has in mind. Some students come to Gettysburg with their major field of study already chosen. Others are uncertain, and these the College encourages to sharpen the focus of their interests and come to a decision. But being neither a graduate nor a professional school, Gettysburg insists that all its students direct their energies into several areas and not concentrate excessively in any one.

With all these considerations in mind, we can state in summary form our view of the goal of an education at Gettysburg: mastery of a set of basic skills of study, research, and expression; command of a body of information in several fields; possession of critical judgment and an inquiring mind; dedication to worthwhile values; and an abiding desire to live a useful life.



Education is not now, and never has been, a passive process. A college cannot guarantee that a four year investment of time and money will result in an educated man or woman. A contract with a college is not to be compared with one in which a painter agrees to paint a house in return for a stated sum of money. Ultimately every student must educate himself. At best his teachers can only help him begin to do this and show him that education is a lifelong process. Especially now when many fields of knowledge are expanding rapidly, young people must prepare to teach themselves. Much of what they know when they graduate will be obsolete in a decade or two.

When a half century ago Woodrow Wilson declared that "what we should seek to impart in our colleges . . . is not so much learning itself as the spirit of learning," he was merely recognizing some of the practical limits which exist in the educational process. The Gettysburg faculty is aware that, in spite of its eagerness to teach and counsel, the ultimate test of the College will be the measure of its success in providing situations in which young people are themselves inspired, by the "spirit of learning" which pervades the College, to accept both the greater independence and increased responsibility which higher education entails.



## CHOOSING A COLLEGE

Choosing a college where one will spend four years is always a most important decision for a young man or woman to make. It is one which probably will have lifelong consequences. On the basis of its experience the Gettysburg Admissions Staff tries to select applicants who not only have the necessary intellectual qualifications, as measured by the achievement record which they submit, but who also give promise of wanting to learn much more than they already know. This latter requirement is of cardinal significance, because a young person who has no compelling desire to compare, weigh, question, and probe has no place in an institution of higher learning. He will, in fact, be unhappy as long as he remains there.

Any person seriously interested in Gettysburg should learn as much about the school as he possibly can before deciding whether it is the college which he really wants to attend. One of his main concerns should be whether Gettysburg College can provide for him the atmosphere in which he will want to learn. He should ask questions of the Admissions Staff, and also of students, faculty, alumni, and friends of the College whom he might know. He should come to the campus and remain long enough to gain a distinct impression of the many and varied activities which go on here and of the atmosphere they create.

## GETTYSBURG COLLEGE PAST

The visitor to the campus will find an institution that has been in existence for more than 125 years. Gettysburg College was organized in 1832. It was one of about forty American colleges founded in the decade of Jacksonian Democracy. Its founder was the Rev. Samuel Simon Schmucker (1799-1873), a young Lutheran clergyman educated at the University of Pennsylvania and the Princeton Theological Seminary. One of the goals Schmucker early set for himself was to establish his church's first theological seminary in America. This became a reality when in 1826 the Lutheran Theological Seminary was organized at Gettysburg, a small southcentral Pennsylvania community chosen because it was then central to the main branches of the church.

A second of Schmucker's goals was to found a college. This was an especially urgent purpose because of the meager academic preparation of his theological students. After several years he turned to some of the leading citizens of the community for support in establishing a college which, he promised, while under the control of trustees who were Lu-



theran would always be unsectarian in its instruction. The charter of Pennsylvania College of Gettysburg was granted by the legislature in the spring of 1832 and instruction began in the fall of the same year. It was the first Lutheran college in America. The present name—Gettysburg College—was legally adopted in 1921. Thus the College was founded under double auspices: church and community. It has always been an independent, church-related institution, relying for its financial support upon private sources. In recent years several members of its Board of Trustees have been chosen by three synods of the United Lutheran Church in America.

When the armies of North and South clashed at Gettysburg during the memorable July days of 1863 regular College classes then in session were suspended, the campus was occupied by Confederates, and Pennsylvania Hall (Old Dorm) was pressed into use as a hospital for wounded of both sides. A century later both the community and the College are still influenced by the momentous battle which occurred here and by the visit of President Lincoln in November 1863 to dedicate the National Cemetery. Each year a million or more tourists from all parts of the coun-





try and from abroad visit the battlefield and cemetery. The town, with a population of about 8000, is easily accessible by highway from north, east, south, and west.

In the years since 1832 more than 15,000 persons have been enrolled in the College and 9,200 have received degrees. Of the larger number, there have been more than 2500 men and women who made education their career, including some 60 college presidents. More than 2000 clergymen, 1000 doctors and dentists, and 500 lawyers have been among its alumni. At least 2500 graduates have gone into business and industry.

#### GETTYSBURG COLLEGE PRESENT

In more than a century and a quarter of service Gettysburg College has grown in many ways. At the beginning there were but 5 instructors; there are now more than 130. From an original enrollment of 23 the student body has increased to about 1700 today, of whom more than one-third are women. The campus of 139 acres has more than 30 buildings, one-third of which have been completed in the past decade. Old Dorm, the oldest College structure, cost less than \$16,000 to build in 1837-1838. The physical equipment of the College is now valued at more than \$13,300,000.

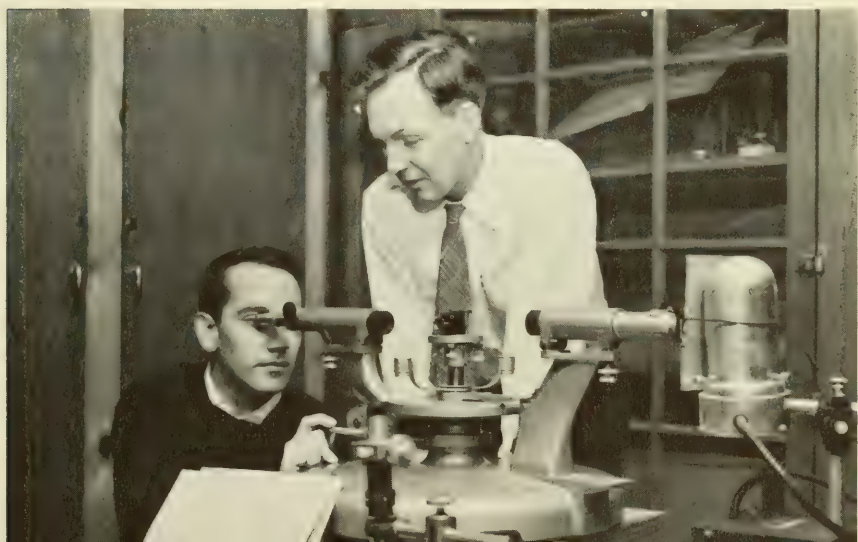
Gettysburg College has been on the accreditation list of the Board of Regents of the State of New York since 1913 and on that of the Middle States Association of Colleges and Secondary Schools since its first accred-



itation list was prepared in 1921. The College has been approved by the Department of Public Instruction of the Commonwealth of Pennsylvania, the American Medical Association, the American Chemical Society, and the American Association of University Women. It is one of fifteen colleges and universities in Pennsylvania sheltering a chapter of Phi Beta Kappa.

The Gettysburg students of today have access to rapidly expanding library, laboratory, and other academic facilities. They have the opportunity to work closely in and out of the classroom with a young and vigorous faculty who are genuinely interested in their welfare and desirous of establishing close personal relationships with them. The faculty invite students to join them in their attempts to extend the limits of man's understanding by independent study, research, and writing. Where their aptitude and interests warrant it, students are encouraged to continue their formal education beyond the College. In recent years about one-fourth of the men and women graduates have been responding to this encouragement by entering graduate and professional schools.

From wherever he comes, whatever may be his interest and his program, and however he may hope to determine and achieve his goals, the discerning Gettysburg student will find on the campus a healthy dissatisfaction with the present state of man's knowledge about himself and the universe in which he lives. He will find a desire to test old truths and find new ones. He will discover the abiding joy of learning, of judicious skepticism, and of sound judgment. In short, he will find in Gettysburg a college which is striving to carry out the injunction of 1832 "to exert a salutary influence in advancing the cause of liberal education."





# The Academic Program

## DISTRIBUTION AND CONCENTRATION

The courses of study offered by Gettysburg College reflect that which the faculty considers necessary in helping the student achieve the goal of a liberal education. Most candidates earn the degree of Bachelor of Arts. A few, having pursued work in Music Education, are awarded the Bachelor of Science degree. Most of the information in this section deals primarily with the Arts curriculum.

During the eight semesters in residence normally required for graduation, a candidate for the Arts degree enrolls in about forty courses. These courses can be divided into three types.

First, about forty per cent are those taken in fulfilling the distribution requirements. These are courses which the faculty has prescribed to insure that each student will at least explore the main fields of learning, some knowledge of which is indispensable to a liberal education. In meeting these requirements in the humanities, natural sciences, and social sciences, the student takes some specified courses and selects others from an approved list. It is expected that most of the distribution requirements will be completed by the end of his sophomore year.

Second, about thirty per cent of the courses which a student takes are offered to fulfill the concentration requirements. These the faculty has prescribed so that each student will work intensively in one major and one minor field of study and gain a useful command of their facts, interpretations, and insights. The major and minor should be fields in which the student has both aptitude and interest. In most cases they are closely related to his intended career. Most students meet the concentration requirements largely in the junior and senior years. This arrangement is not intended to suggest that there should be a strong distinction between distribution and concentration courses. Ideally they complement and supplement each other and help the inquiring student arrive at an understanding of the essential unity of man's knowledge.



Third, the remaining courses which a student takes are free electives. They may or may not be courses in areas related to his major subject. It is regrettable whenever a student is graduated without having taken at least one course in a field largely unknown to him, but one in which he might have become interested.

### THE ADVISING SYSTEM

The College believes that one of the most valuable services which it can render is careful counseling. Accordingly, even before he arrives on campus, each freshman is assigned a faculty adviser to assist in dealing with his academic and other problems.

During the first week of the fall semester all new students participate in an orientation program designed to help them become acquainted with their new environment. All entering freshmen receive in advance a detailed schedule of the events of this program. During orientation, students have several personal conferences with their advisers, take part in discussions of college life, and engage in other activities intended to familiarize them with their new home. They also take achievement and placement tests which provide the College with valuable information concerning their educational background and academic potential. These tests help the College in its effort to provide an education suited to each student's needs.

During the year each freshman adviser arranges periodic meetings with his advisee to review his progress. He is available also at other times to discuss unexpected problems as they arise. Any changes in a freshman's schedule must be approved by the adviser.

At the end of the freshman year, when a student should choose a major field of study, the chairman or some other member of the major department becomes his adviser and assists him in the preparation of his sophomore schedule. Until the student leaves College he retains the same adviser, who performs functions similar to those of the freshman adviser, including the approval of all his schedules.

It is the responsibility of sophomores and upperclassmen to take the initiative in discussing their entire academic program with their advisers. As already indicated, the College encourages qualified students to prepare for graduate work, which is becoming a necessity in an increasing number of career fields. It is important for such students to consult their advisers and become familiar with the language and other requirements of the graduate programs in which they are interested. They should know





well in advance of graduation what they must do to qualify for fellowships and similar awards to help them financially in graduate school. Above all, they should know how important it is to build a superior undergraduate academic record.

A student wishing to change his major course of study must secure the approval of the department in which he is a major and the one in which he desires to major. Juniors and seniors making such a change should understand that they may be required to spend more than eight semesters in residence in order to complete their concentration requirements.

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

The Bachelor of Arts degree will be conferred upon the student who completes satisfactorily the following:

- 1) 120 semester hours of academic work<sup>1</sup>, plus the freshman and sophomore program (4 semesters) in Health and Physical Education, Military Science, or Air Science;
- 2) the distribution requirements;
- 3) the concentration requirements in a major and minor field of study;
- 4) the comprehensive examination in the major field;
- 5) a minimum grade average of C and an average of C or better in the major field;
- 6) the senior year and a minimum of 30 semester hours of academic work in residence at Gettysburg College; and
- 7) the discharge of all financial obligations to the College.

<sup>1</sup> The amount of credit given for each successfully completed course is expressed in terms of semester hours. A semester hour of academic work consists of one hour of classwork, two or three hours of laboratory work, or a combination of class and laboratory work, each week for a semester.

#### DISTRIBUTION REQUIREMENTS

Each candidate for the Bachelor of Arts degree must satisfactorily complete the following distribution requirements:

- 1) *English Composition*  
English 101-102
- 2) *Introduction to Contemporary Civilization*  
General Education 101-102
- 3) *Old and New Testament History*  
Biblical Literature and Religion 101 and 102
- 4) *Foreign Language*  
6 hours *above* the elementary (101-102) course in French, German, Greek, Latin, Russian, or Spanish
- 5) *Science*  
8 hours in Biology, Chemistry, or Physics
- 6) *Literary Foundations of Western Culture*  
General Education 201-202





7) *Social Science*

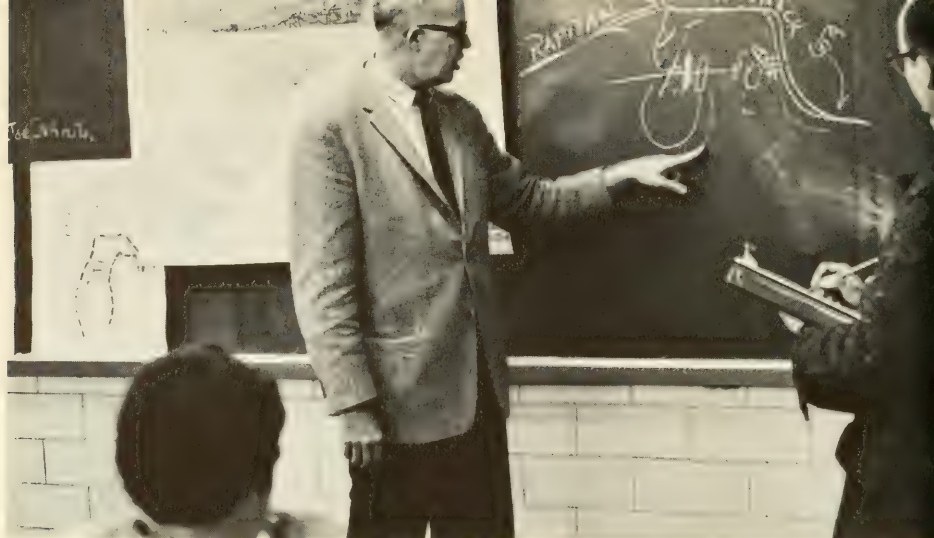
3 hours in one of the following: Economics, Political Science, Psychology, or Sociology

8) *Literature, Art, or Music*

Two of the following: 3 hours in English, French, German, Greek, Latin, Russian, or Spanish Literature; 2 hours in Art; or 2 hours in Music. Refer to the departmental introductions under Courses of Instruction for courses which satisfy this requirement.

CONCENTRATION REQUIREMENTS

A major course of study consists of a minimum of 24 semester hours of work. Any department may increase this number and may designate specific courses for its majors to take. Requirements of the various departments are listed in the appropriate introductions under Courses of Instruction.



In consultation with his major adviser each student selects a minor course of study, consisting of a minimum of 12 semester hours. The minor should be related in some way to his particular interests and abilities and must be approved by the adviser.

The following are acceptable major and minor fields of study at Gettysburg College: Art, Biblical Literature and Religion, Biology, Business Administration, Chemistry, Economics, English, French, German, Greek, Health and Physical Education, History, Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology, and Spanish. A minor, but not a major, is possible in Education and Russian.

Elementary (101-102) courses in English and other languages are not included in computing hours for the major or minor. A minor in a laboratory science is interpreted to mean either two full-year courses or the equivalent.

No later than the beginning of the senior year, and with permission of the major adviser and the head of the other department concerned, a student may select a second major, which will be entered on his record if all the requirements of both departments are met, including comprehensive examinations.

#### COMPREHENSIVE EXAMINATION

Every candidate for the bachelor's degree is required to pass a senior comprehensive examination in his major field of study. This examination is intended to test the depth of his knowledge in his major field, determine his ability to analyze and apply its significant ideas, and serve throughout his college career as a challenge to integrate the material of his chosen field of study.



The senior comprehensive examination is given shortly before the close of the spring semester at times announced well in advance. It extends over a period of three days and may be written or oral or both. The following grades are given: passed with highest honors, passed with honors, passed, and failed. A student who fails the comprehensive in the spring may not take a reexamination before the end of the first semester of the Summer Session.

### REQUIRED PROGRAMS OF STUDY

The schedules of freshmen are prepared on the basis of correspondence with the student during the summer preceding his enrollment. The normal program for freshmen includes English 101-102, General Education 101-102, and Biblical Literature and Religion 101 and 102. Most students also take a language and one of the following: a science, a second language, or mathematics. Prospective science and mathematics majors may postpone a language and instead take science and mathematics as their fourth and fifth courses. Students are strongly advised to continue the study of a foreign language in which they already have some competence.

Unless specifically excused, all freshmen take Physical Education, Military Science, or Air Science.

Sophomores are required to take General Education 201-202, continue fulfilling their distribution and concentration requirements, and complete the required program in Physical Education, Military Science, or Air Science.

All required courses which have not been completed by the end of the sophomore year must be included in the junior program. Juniors and seniors should schedule at least one or two courses each semester outside their major field.

### SCHEDULE LIMITATIONS

The normal schedule enables a student to complete the graduation requirements in eight semesters. For freshmen and sophomores the normal schedule is 15 or 16 hours each semester, in addition to basic Physical Education, Military Science, or Air Science. During the junior and senior years, with the permission of his adviser, a student may carry 18 hours each semester. Since it is assumed that this amount of academic work, if done thoroughly, will completely occupy the available time of virtually all students, a schedule in excess of 18 hours will be permitted

only where the previous academic record and the best interests of the individual student appear to warrant it. Such schedules must be approved by the Dean of the College or the Dean of Students.

No student who is a candidate for a degree may take fewer than 12 hours of work in a given semester without the approval of the Dean of the College or the Dean of Students.

### HONORS-TYPE WORK

Although the College does not offer a separate honors degree, there are opportunities in most of the departments for students to engage in honors-type work, including independent study, research, seminars, and directed reading. These opportunities are primarily for seniors, but juniors are sometimes eligible. With careful planning it is usually possible for these students to reduce their course load to provide the time necessary for honors work. In some departments participation in this type of activity is part of the required program of study; in others it is optional. Most of the honors-type courses are numbered in the 400's under Courses of Instruction.

### PREPROFESSIONAL PROGRAMS

#### TEACHER TRAINING

Gettysburg College is accredited by the Pennsylvania Department of Public Instruction, which will grant its graduates who meet the requirements a College Provisional Certificate in academic fields as well as in Music or Health and Physical Education.

Students preparing to teach in public and private schools should register with the chairman of the Department of Education early in their sophomore year and discuss their remaining program with him. They should also seek opportunities to work with young people in church, scouting, and other youth organizations.



All students preparing to teach should schedule Psychology 201 in their sophomore year. Those preparing to teach in the secondary schools of Pennsylvania, Maryland, New Jersey, New York, and Delaware should take Education 301, 305, 309, and 401. Education 313 is recommended as an elective. Except in New Jersey, a total of 18 hours in education courses is required. New York requires, in addition to the above, a course in methods and materials related to the student's major subject. New Jersey requires either Biology or Health Education 311 or 314 in addition to 21 hours in education.

The requirements for certification in the various subject-matter areas in five states are as follows:

In *Pennsylvania* a minimum of 24 hours is required for certification in Biology, Chemistry, Physics, General Science (courses in at least 2 sciences), Mathematics, History, History and Government, and a foreign language (proficiency in conversation, reading, and writing is required). A minimum of 36 hours is required for certification in English, Physics and Mathematics, and Social Studies. The following areas must be included in Social Studies: History, Political Science, Economics, Economic Geography, and Sociology. A course in Anthropology is recommended. Reading will be included on the English certificate when a minimum of 6 hours in reading courses has been completed. The above requirements apply to those seeking certification in Pennsylvania after October 1, 1963. Students applying for certification prior to this should consult the 1960 College Catalogue.

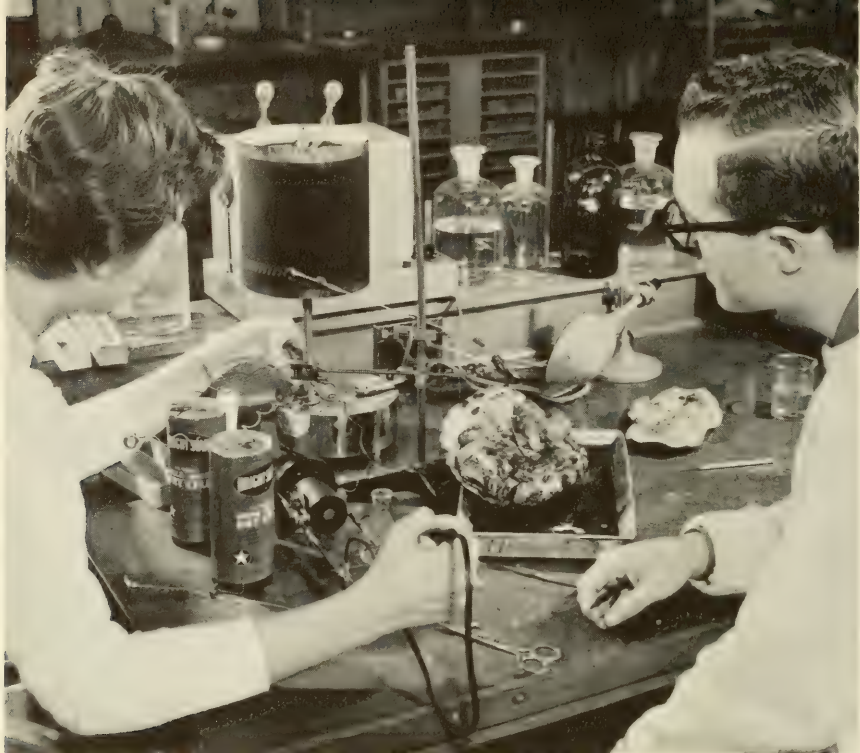
In *Maryland* a minimum of 18 hours is required for certification in Biology, Chemistry, French, Latin, Mathematics, and Physics. A minimum of 24 hours is required in English and Social Studies (18 of which must be in History, including American History, and 6 in Economics, Sociology, or Political Science). A minimum of 27 hours is required for High School Science (including 6 in Biology, Chemistry, and Physics; and 3 in Geology, Astronomy, Meteorology, or Conservation).

In *New Jersey* a minimum of 18 hours is required in Biological Science, English, General Science, Health Education, History, Instrumental Music, Foreign Languages, Mathematics, Physical Education, Physical Science, Political Science, Economics, Speech, and Vocal Music. A minimum of 30 hours is required for Music, Science, and Social Studies.

In *New York* a minimum of 18 hours is required in Foreign Languages, Mathematics, General Science (including Biology, Chemistry, Physics, and Geology), Biology, Chemistry, and Physics. A minimum of 24 hours is required in English (including American Literature, Advanced Composition, and 6 hours of Speech) and in Citizenship Education (including 12 hours of History with 6 in American History and one course in Political Science, Economics, Economic Geography, and Sociology).

In *Delaware* a minimum of 18 hours is required for certification in Biology, Chemistry, and Physics; and 24 hours in English, Mathematics, Foreign Languages, and Social Studies.





#### PREMEDICAL PROGRAM

Premedical and pre dental students should register early in their junior year with the Dean of the College, who is chairman of the Premedical Committee. Most of these students major in Biology or Chemistry, though this is not a strict necessity. They choose their science and non-science courses in consultation with their major adviser, taking into consideration specific requirements of the graduate schools in which they are interested. Premedical students should pick as many electives as possible in the humanities and social sciences.

All recommendations for admission to medical schools are made by the Premedical Committee.

#### PRELAW PROGRAM

The Association of American Law Schools recommends that the student planning a career in law concentrate on developing his capacities to think and express himself clearly, qualities which, it observes, are not the "monopoly of any one subject-matter area, department, or division." No matter what his chosen major might be, the prelaw student will find the members of the Political Science Department willing to advise him regarding his undergraduate program and selection of law schools.



## OFF-CAMPUS STUDY

### WASHINGTON SEMESTER

Gettysburg College participates with American University in Washington in a cooperative arrangement known as the Washington Semester. This enables a limited number of superior students in the social sciences to spend one semester in a firsthand study of the federal government in action.

During this period these students are brought into direct contact with source materials not generally accessible. They have the opportunity to interview members of Congress and the Supreme Court and officers of the executive departments and agencies concerning policies, procedures, and problems of government. In addition to regular courses, students attend seminars and undertake individual research projects in some major area of interest.

The Washington Semester should be taken in either semester of the junior year or the first semester of the senior year. To qualify, a student must have completed at least one course in Political Science, have an average of B or better, and clearly demonstrate ability to work on his own initiative. Most participants are majoring in Political Science, History, Sociology, and Economics, but applicants from other areas are welcomed. Further information may be obtained from the Department of Political Science.

### JUNIOR YEAR ABROAD

Qualified students may apply for permission to spend the junior year abroad. Arrangements can be made with one of many regularly organized programs for study in Europe, Latin America, and elsewhere. Interested students should consult the Dean of the College during the first semester of their sophomore year.

## COOPERATIVE PROGRAMS

Gettysburg College participates in three cooperative programs, in each of which the student spends three years in residence at Gettysburg and an additional two years at another institution. These cooperative programs provide him with the advantages of a general education in a liberal arts college, in which he has the opportunity to study areas basic to his field of particular interest. During his last two years he has the advantages of a specialized education in a university or training school.

Students seeking these programs are admitted to the College under the same conditions as other applicants.

#### ENGINEERING PROGRAM

This program is offered jointly with Pennsylvania State University and New York University. Upon satisfactory completion of the required five years of work, a student will have earned the Bachelor of Arts degree from Gettysburg and the Bachelor of Science degree from the university he chooses. Under these programs, a student whose aptitude for engineering may be uncertain, or whose decision between engineering and other disciplines may not yet be made, has the opportunity to study both arts and sciences during three years of college, in which time he can determine whether his major interest and ability lie in the engineering field.

A student indicates his desire to follow the cooperative program in engineering at the time of his admission to Gettysburg College. Advised by the Physics Department, he becomes a candidate for transfer if at the end of his sixth semester he has completed all required courses with above-average grades and if he is recommended for transfer.

In the cooperative program with Pennsylvania State University, the student must satisfactorily complete all of the College distribution requirements and must include in his program Chemistry 111-112; Economics 201 or 203; History



231, 232, or 234; Mathematics 201-202 (or 105-106 and 205-206), 321-322, and 323-324; Physics 105, 106, 111-112, 201-202, and 205; Psychology 201; Speech 201 and 202; and two years of Physical Education, Military Science, or Air Science. After having taken one semester of Military Science or Air Science, the student must complete the four semesters of basic ROTC at Gettysburg or Pennsylvania State University. Freshmen should register for English 101-102, General Education 101-102, Mathematics 201-202 (or 105-106), Physics 111-112, an appropriate language course, and either Physical Education or ROTC. A student recommended for transfer is eligible to enter with junior standing any of the following curricula of the School of Engineering of Pennsylvania State University: aeronautical, electrical, civil, industrial, sanitary, and mechanical. The program does not prepare the student for transfer to any other technical curriculum at the University.

In the cooperative program with New York University, the student must satisfactorily complete all of the College distribution requirements and must include in his program Chemistry 111-112; Mathematics 201-202, 321-322, and 323-324; and Physics 105, 106, 111-112, 201-202, and 205. Freshmen should register for English 101-102, General Education 101-102, Mathematics 201-202, Physics 111-112, an appropriate language course, and either Physical Education or ROTC. A student recommended for transfer is eligible to enter with junior standing any of the following curricula of the Engineering College of New York University: civil, electrical, industrial, and mechanical. Students interested in aeronautics and astronautics need additional work requiring a summer session beyond the six semesters at Gettysburg College in order to qualify for recommendation.

### FORESTRY PROGRAM

This program is offered in cooperation with the School of Forestry of Duke University. Upon successful completion of a five-year coordinated course of study, a student will have earned the Bachelor of Arts degree from Gettysburg College and the professional degree of Master of Forestry from the Duke University School of Forestry.

Candidates for the program should indicate to the Dean of Admissions that they wish to apply for the Liberal Arts Forestry curriculum. At the end of the first semester of the third year, the College will recommend qualified students for admission to the Duke School of Forestry. Each recommendation will be accompanied by the student's application for admission and a transcript of his record at Gettysburg. No application need be made to the School of Forestry before that time.

There is no rigid curricular requirement for the three years at Gettysburg College. Students in the program are advised by the Biology Department and are urged to use the following as a guide. In the freshman year they should take English 101-102; General Education 101-102; Biblical Literature and Religion

101 and 102; Biology 103 and 104; Mathematics 103-104; and Physical Education, Military Science, or Air Science. The recommended program for the sophomore year is General Education 201-202; Chemistry 101-102; Economics 201-202; a foreign language; Physical Education, Military Science, or Air Science; and one elective each semester. In the junior year, they should take Physics 111-112; Biology 301 or 302 or both; Biology 308; Art or Music; a foreign language or English Literature; and several electives each term.

The student devotes the last two years of his program to the professional forestry curriculum of his choice at the Duke School of Forestry. Copies of this curriculum are available in duplicated form from the Dean of Admissions, Gettysburg College, or in printed form from the Dean of the School of Forestry, Duke University, Durham, N. C.

#### PARISH WORKERS' PROGRAM

This program is offered by Gettysburg College and the Lutheran Deaconess Training School of Ruxton, Md. Young women planning to enter full-time church service may earn the degree of Bachelor of Arts by attending Gettysburg College for three years and by taking work at the Training School for two years. While at Gettysburg they are advisees of the Department of Biblical Literature and Religion and the Department of Sociology. Students in the plan must complete the distribution and concentration requirements, and the comprehensive examination, by the end of their three years at Gettysburg.

Detailed information concerning the program at Gettysburg College may be secured from the Dean of Admissions and concerning the last two years from the Lutheran Deaconess Training School, Boyce Avenue, Ruxton 4, Md., or the Philadelphia Deaconess Training School, 801 Merion Square Road, Gladwyne, Pa.

#### REQUIREMENTS FOR THE DEGREE OF

##### BACHELOR OF SCIENCE IN MUSIC EDUCATION

The College offers the degree of Bachelor of Science in Music Education for those who wish to meet the requirements to teach or supervise Music in the elementary or secondary schools of Pennsylvania. Upon completion of the prescribed course of study a student will be qualified to receive a Provisional College Certificate from the Pennsylvania Department of Public Instruction.



BACHELOR OF SCIENCE IN MUSIC EDUCATION

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
Bible 101 and 102		6	Music 203-204		6
English 101-102		6	General Education 201-202		6
Biology, Chemistry, or Physics		8	Foreign Language		6
Music 141-142		4	Education 309		3
Instrumental Class		2	Instrumental Class		2
Applied Music		4	Applied Music		4
Music Appreciation		2	Electives		6
		—			—
Total		32			33
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
Music 205-206		4	Music 221		3
Music 220		3	Music 305		3
Music 301-302		6	Music 351		12
Music 311-312		6	History 231 or 232		3
Foreign Language		6	Speech 201		2
Applied Music		4	Education 301		3
Electives		6			—
		—			—
Total		35			26

All students enrolled in this curriculum are required to complete satisfactorily a total of two semester hours in Physical Education and to pass the senior comprehensive examination in Music Education.





## RESERVE OFFICERS TRAINING CORPS PROGRAMS

Gettysburg College participates in the national security effort by offering its students, in cooperation with the Department of Defense, the opportunity to enroll in the Army or Air Force Reserve Officers Training program. These programs provide trained reserve officers to meet manpower requirements for present active service and possible future emergencies. Officers of the two services, assisted by enlisted personnel, conduct academic courses and practical leadership training. Adequate equipment and field trips to Army posts and Air Force bases support the program.

The Basic Course taken during the freshman and sophomore years provides a general understanding of the Army or Air Force. It can be used by male students to satisfy a College requirement. Textbooks and uniforms are supplied without cost to the student. Members of a National Guard or Reserve unit may enroll in the Basic Course without change in status and may be excused from attending armory drill while participating in Army ROTC.

A limited number of students who have successfully completed the Basic Course and demonstrated a high degree of proficiency and leadership, and who meet the academic, physical, and aptitude requirements, are permitted to enroll in the Advanced Course during their junior and senior years. Any veteran who has completed honorably two years of military service, if otherwise qualified, may be enrolled in the Advanced Course at the beginning of his junior year.

The Advanced Course prepares the student for active duty as a commissioned officer. Between the junior and senior years he attends a summer camp (six weeks for Army ROTC students and four weeks for Air Force ROTC students) which is devoted to application of the instruction he has received. He is granted remuneration from the date of enrollment in the Advanced Course until graduation, except during the

summer training period, when he receives regular basic pay. He also receives a tailor-made uniform which he retains upon commissioning. Total remuneration during the Advanced Course is approximately \$700.

The branch of service in which an Army ROTC graduate is commissioned is determined by his academic background, his individual desires, and the needs of the Army at the time he receives his commission. Students who are designated Distinguished Military Students may apply for Regular Army commissions. Any officer who is physically qualified may receive Army Aviation or Airborne training. Special programs are available for students who plan to enter law, medicine, or the ministry.

The student who successfully completes Air Force ROTC requirements is commissioned a Second Lieutenant in the Air Force Reserve upon graduation. If he qualifies, he may enter active duty as a flying officer and train to become an Air Force pilot or navigator. He may serve instead in one of many other specialties, depending upon his academic background and personal preference. Distinguished Air Force ROTC graduates may apply for Regular Air Force commissions. Those who enter active duty in a Reserve status may later be authorized to apply for a regular commission.

Students participating in these ROTC programs may be deferred from induction under the Selective Service Act so long as they maintain satisfactory academic averages and continue to demonstrate potential ability to become commissioned officers.

Army ROTC students who are commissioned must agree to serve at least two years on active duty if called and to remain in the Reserves for an additional four years. Graduates in excess of Army active-duty requirements receive six months of active-duty training and remain thereafter in the Ready Reserve until the eighth anniversary of their commissioning. Veterans are obliged to attend only the Branch Officer Schools.

Air Force ROTC graduates electing pilot or navigator training serve on active duty for four years following completion of basic flight training and thereafter for one year in the Reserves. All other Air Force ROTC graduates serve four years on active duty and two years in the Reserves. Any graduate in excess of Air Force requirements may receive six months of active-duty training and remain thereafter in the Reserves for seven and a half years.

Veterans are not obligated for active duty. Graduates of both programs may be deferred from call to active duty if upon commissioning they indicate an intention to pursue graduate study.







# Campus Life

A COLLEGE campus is a community. It is a unique community, for all its members, activities, and facilities are there for a single purpose: to promote the student's liberal education.

The most important aspect of life within the Gettysburg College community centers around the libraries and classrooms, for these are most directly related to the student's intellectual growth. But the other aspects of the community—its living and dining facilities, religious activities, lectures, musical and dramatic groups, newspaper and radio station, organizations, and athletic activities—all make their contribution too. For a liberal arts education directly or indirectly involves all phases of man's life, his spiritual, physical, and social life, as well as his intellectual life.

Living within a college community is exciting. The student is challenged. He thinks, he acts, he learns. It is for him, the student, that the community exists.

## LIVING ACCOMMODATIONS

In a college community an important part of the total education takes place in the dormitories and other residence buildings. A college room is a study. Here the student does much of his class preparation and reading. In the residence buildings students learn to live together; they learn to be tolerant and to respect the rights of others. Here students talk freely with each other; in these conversations they gain experience in expressing their own opinions and in listening to and evaluating the opinions of their contemporaries. Here students learn that there are many views to take of a problem, views that are both enhanced and hindered by their fellow students' personalities, insights, and prejudices. For in a college residence, a student associates closely with others who have different social and economic backgrounds and who have different talents and special interests.

*Dormitories* At Gettysburg College the majority of the students live in College dormitories, most of which are new, modern, comfortable buildings. The rooms in the dormitories are designed to provide facilities for study and rest. In each dormitory there is a lounge in which students may relax or meet callers. Under the guidance of carefully selected and qualified student counselors, the residents of each dormitory solve their own living problems. A qualified head resident is available in each of the women's dormitories to help the girls in any way she can. Each fall the residents of each dormitory elect officers, who work with the counselors and head residents to solve any dormitory problems, and to plan improvements and activities in the dormitories. These officers represent their dormitories on campus governing councils.

*Fraternity Houses* On and surrounding the Gettysburg College campus there are thirteen fraternity houses for upperclass members. These houses provide living, study, and eating facilities for the members of each social group. Each house has a qualified housemother, who acts as a hostess for the house and as a chaperon at dinner parties and small social affairs.

*Rooms* All women in the campus community are required to live in a dormitory unless they have special permission from the Dean of Students. Some of the men students live in rooms off campus which have been approved by the Dean of Students. Most of these rooms are located in nearby private homes.





## DINING ACCOMMODATIONS

All women students, except those living at home, and all entering freshmen are required to take their meals in the College Dining Hall. Fraternity pledges are permitted to eat the evening meal and Sunday noon meal in their fraternity houses. The Dining Hall is an air-conditioned one-story brick building, which can accommodate 750 people at one sitting. Breakfast and lunch are served cafeteria style; dinners are served family style three times a week.

## RELIGIOUS LIFE

One of the principal objectives of Gettysburg College is to provide an environment in which the students may grow spiritually. In college a student may encounter new ideas and concepts which stagger and confuse him. These ideas should not destroy his faith, but should make him think about a faith he may previously have taken for granted, a faith which is merely a remnant of childhood instead of a mature, vital part of his adult life. The intellectual life and the religious life of the College are united—as they should be in the student as well. In the College campus community students are encouraged to discuss religious problems, to resolve questions, to establish a firm, vital, and mature Christian faith.

Students are encouraged to worship regularly in the churches of the local community. All Gettysburg churches welcome the college students; many invite them to join special college groups at the church for fellowship and discussion.

The College also offers opportunities for worship in Christ Chapel on three weekday mornings. These services are not compulsory, but are open to all students and faculty who wish to attend. The weekday chapel services are led by ministers from Gettysburg and surrounding communities, by members of the College faculty, and occasionally by students. A Chapel Choir provides music for these worship services. Because students often desire a few minutes of quiet meditation and prayer, Christ Chapel is open each evening Sunday through Friday between 10:00 and 10:30. Any student may enter and leave the chapel as he pleases during this time. The sanctuary is lighted only by the altar candles; a student organist plays softly for quiet meditation and prayer.

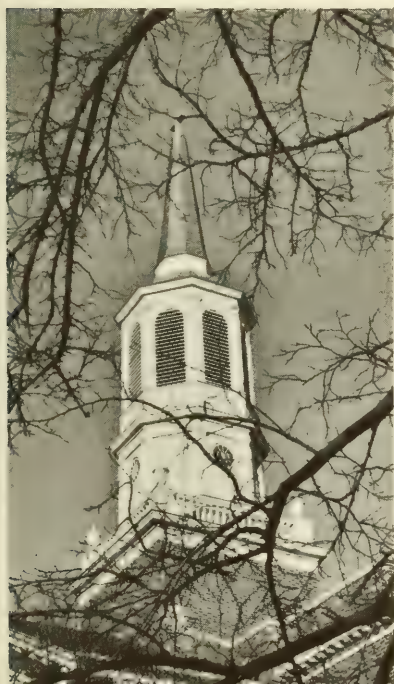
Christ Chapel symbolizes the importance of religious life at Gettysburg College. It has a seating capacity of 1250, and thus enables three-quarters of the student body to participate in worship services at one time. In Christ Chapel the College Chaplain and the Student Christian Association have their offices.





*Student Christian Association* The Student Christian Association, a fellowship of students and faculty dedicated to the development of the Christian faith, welcomes into its membership all students regardless of denominational affiliation. This interdenominational group offers students an opportunity to develop and share their Christian faith in a program of fellowship, worship, and service. Founded in 1867, it is a vital campus organization. It has a wide variety of projects including weekly meetings, daily devotions, forums, lectures, discussion and study groups, publications, social service activities, and conferences. One of its most important projects is planning and conducting Religious Emphasis Week. The Student Christian Association is guided by four elected officers, a cabinet of ten appointed committee chairmen, three faculty advisers, and the College Chaplain. SCA is the only group authorized to hold regular religious meetings on the campus.

*Religious Emphasis Week* Each year three or four days during February are set aside for Religious Emphasis Week. This observance focuses campus attention on contemporary religious problems. During REW week, outstanding religious leaders, laymen as well as clergymen, give lectures, lead discussions, and hold forums. Students and faculty take part in these discussions and forums. The College choirs participate in the programs. The Owl and Nightingale Players, the campus dramatic organization, presents a play which it feels will pose questions all with religious concerns should consider. In recent years such plays as Maxwell Anderson's *Mary of Scotland*, readings from Archibald MacLeish's *J.B.*, and Arthur Miller's *The Crucible* have been staged. The College recognizes this week as a high point of the school year, as a time for strengthening the religious life of both students and faculty. It is considered not as a week in which all the campus community emphasizes religion so all will have fulfilled their religious obligations for the year, but as a week which gives renewed vitality to the spiritual life of the campus.



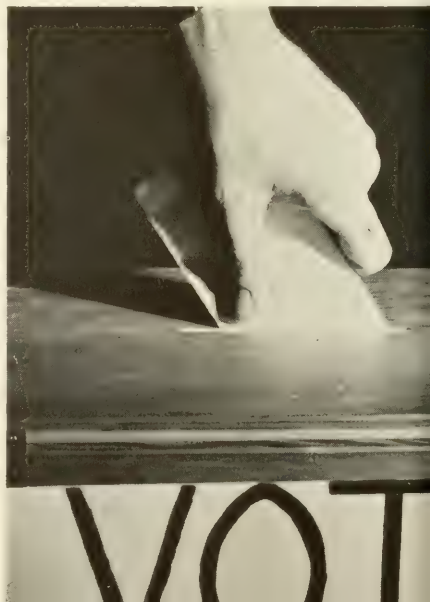
## STUDENT GOVERNMENT

A vital part of any community is, of course, its government. The students of Gettysburg College are proud of the provisions for self-government which exist on the campus—a condition which reflects the faculty's and administration's belief in democratic action and in the maturity of students. A liberal arts education should, in theory at least, help develop a person's critical sense, his ability to reason and to think for himself, and his ability to make wise and thoughtful decisions. One important application of this education lies in self-government. For to govern wisely a student must think critically and constructively, make sound decisions, and implement legislation through constructive means. Furthermore, self-government gives the student an opportunity to express opinions, to initiate action and reform, and to practice being a good citizen of a community. A liberal education must help produce responsible citizens; self-government in a college community provides a practice ground.

It is important that each citizen of the college community accept his responsibility, for democratic government can be effective only when individual citizens accept their responsibilities. In a college community, then, a responsible student must participate in student government by exercising his right to vote for class officers, Student Senate executive officers, Honor Commission members, and other delegates; he must examine the proposals and action of his elected governing bodies; he must voice his opinions and submit his constructive criticisms in mature, legal ways; and he must show a willingness to support and participate in student affairs.

### STUDENT SENATE

The Student Senate is the chief unit in student government at Gettysburg College. This organization works in cooperation with the administration and faculty to bring to the campus community a well-organized and democratic form of student government. It represents the students in forming school policies and works to promote cooperation among administration, faculty, and students. It conducts class elections, nominates



candidates for outstanding prizes, and plans and coordinates campus activities. It considers the problems of the student body as a whole.

The Student Senate is a representative body. The president and other officers are selected through campus-wide elections. Other members of Student Senate are delegates from the following groups: each social fraternity, each social sorority, the independent men, the independent women, the Men's Dormitory Counselors, the Women's Student Government Council, the Interfraternity Council, and the Panhellenic Council.

One of the important functions of the Student Senate is to allocate funds from the Student Chest to student organizations on campus. The fee for this fund is included in the comprehensive fee.

The Student Senate also has over-all responsibility for other functions of student government—the Honor Commission, the Student Conduct Committee, and the Men's Tribunal.

*The Honor Commission* The Honor Commission, a board of nine students and four faculty advisers, promotes and enforces the academic honor system at Gettysburg College. The nine students, who must first meet certain qualifications, are elected by the student body. All reported honor system violations are tried before this commission.

*The Student Conduct Committee* This committee handles disciplinary cases within the student body, including violations of College rules and civil laws. The committee is composed of the president and five members of Student Senate, and representatives from the Men's Dormitory Counselors, Women's Student Government Council, Interfraternity Council, and Panhellenic Council.

*The Men's Tribunal* This organization is appointed by the Student Senate to carry out freshmen customs.

#### WOMEN'S STUDENT GOVERNMENT COUNCIL

Every undergraduate woman is automatically a member of the Women's Student Government Association. Each spring the women elect class representatives to the Women's Student Government Council, the executive body of the association. This council establishes and enforces the dormitory social regulations of the women students and sponsors a variety of campus activities.

#### INTERFRATERNITY COUNCIL

The responsibility for governing the fraternity system of Gettysburg College is assumed by the Interfraternity Council, an organization com-

posed of one representative and one alternate from each social fraternity. This council formulates and administers general policies by which all the fraternities on campus abide. It also serves as a representative of the social fraternal groups to the student body, the College, and the community. During the school year it sponsors campus activities such as the IFC Ball and IFC Weekend.

#### PANHELLENIC COUNCIL

The responsibility for governing the sorority system at Gettysburg College is assumed by the Panhellenic Council, on which each social sorority is represented by an alumna and two student representatives. This Council establishes and enforces the "rushing" regulations, it functions as a governing body in all matters involving sororities and intersorority relations, and it fosters harmony between sorority and independent women.

### CULTURAL ACTIVITIES

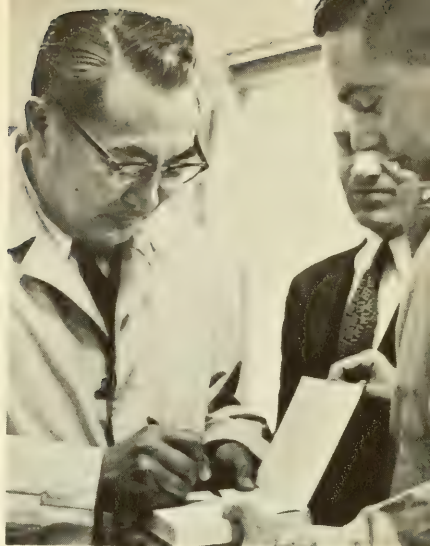
#### LECTURES

The citizens of a college community must constantly be aware that they are living in an active, changing world, a world teeming with new ideas and new discoveries. And its citizens must not forget that this world is one which has been shaped and influenced by the past. Through its lecture program, which complements classroom study, the College brings to campus each year well-known scholars, travelers, and outstanding figures in public life. These speakers introduce students to new ideas and concepts; they awaken them to contemporary problems; they stimulate interest in historical, scientific, and political problems and research. Through its lecture series, the College hopes to extend the student's view beyond the classroom, beyond the confines of the College community.

*Student Assemblies* At regular intervals, the student body assembles in the auditorium of the Student Union Building to hear a lecture by a recognized authority in some field. Eminent scientists, sociologists, philosophers, historians, and political leaders address the student body. Whenever possible, interested students have the opportunity to question the speakers or talk individually with them.

*The Robert Fortenbaugh Memorial Lectures on the Civil War* In 1957, on the 125th anniversary of the founding of Gettysburg College, the College began a series of lectures on the American Civil War, known as the Civil War Conference. Because these lectures have been so en-





*Left: M. F. Ashley Montagu engages in a discussion after addressing a student assembly on the topic "Man and Human Nature." Above: S. I. Hayakawa autographs a book at a reception in his honor following his talk on "The Use and Misuse of Language." Below: Arnold J. Toynbee addresses the 1961 Founders' Day convocation.*



thusiastically received, the College has established them as an annual event and has dedicated them to the memory of Dr. Robert Fortenbaugh (1913), who served Gettysburg College for thirty-three years as Professor and Chairman of the Department of History. In each conference some phase of the American Civil War is chosen as the general theme. In 1957, under the direction of Allan Nevins, lectures were presented on "The Civil War—an Emergent New America." The following year David Donald organized the program around the theme: "Why the North Won the Civil War." In 1959, Lincoln Year, the conference considered "Lincoln and the Civil War" with David M. Potter serving as program director.



The conferences are held each November to coincide with the anniversary of Abraham Lincoln's visit to Gettysburg to deliver the famous address. The lectures and discussions are open to all members of the Gettysburg College community, local Gettysburg citizens, and any other interested persons.

*Stuckenberg Lectures* A bequest of \$1,000 from Mary G. Stuckenberg in memory of her husband, the Rev. J. H. W. Stuckenberg, enables the College to sponsor annually a lecture on some phase of Sociology from the standpoint of Christian Ethics.

*Bell Lectures* A fund of \$2,000 from the estate of the Rev. Peter G. Bell (1860) was given to the College for the establishment of a lectureship on the claims of the gospel ministry on college men. The main object of this foundation is "to keep before the students of the College the demand for men of the Christian ministry and the conditions of the age qualifying that demand."

*John B. Zinn Seminars* These seminars have been established by the Chemistry Department in honor of John B. Zinn (1909), Professor of Chemistry, Emeritus. Each year men of outstanding ability in the field of Chemistry are invited to present seminars on topics of current interest to the students, faculty, and invited guests.

#### MUSICAL ACTIVITIES

Each year the College in cooperation with the Music Department and the citizens of Gettysburg brings good music to the campus community. The musical activities give an opportunity for those with special musical talent to develop that talent and to share it with others. They also provide an opportunity for those who love music to hear outstanding performances by students and musicians who have received national and international recognition. Furthermore, these musical activities provide an opportunity for all to live in an environment where good music is performed, with the hope that many who have not had the opportunity before will develop an interest in and an appreciation of music.

*The Gettysburg College Choir* The Gettysburg College Choir, under the direction of Parker B. Wagnild, has received national recognition. This choir of approximately sixty men and women appears at special services and gives concerts on campus throughout the year. Each year it makes a ten day tour, presenting concerts in churches and schools. During the 1961 tour, it gave a concert at Town Hall in New York. Audi-





tions for the College Choir are held at the beginning of each school year at which time members are selected for voice quality, trueness of ear, musical feeling, and general musical intelligence.

*Chapel Choir* The Chapel Choir, open to all students interested in singing, performs at the chapel services and at special services and concerts during the year.

*Bands* Each September during an annual band camp, tryouts are held for the Gettysburg College Marching Band and for the Concert Band. The Marching Band of sixty students plays at all football games, pep rallies, and parades. The Concert Band of forty students presents special concerts during the second semester at the College and in surrounding communities.





*Orchestra* The Gettysburg College Orchestra performs in recital and concert during the school year.

The Music Department presents voice and instrumental recitals by students and faculty members. It also sponsors music workshops for musicians of the surrounding communities and Gettysburg College students.

In cooperation with the community of Gettysburg, the College brings to campus each year artists and artist groups of international fame. All students are admitted to these programs free of charge.

#### DRAMATICS

The Owl and Nightingale Players presents dramatic productions throughout the school year. The program of dramatics not only offers interested students opportunities for acting, scenery painting, and lighting but also offers the College community good dramatic entertainment. The plays presented each year represent the Players' determination to offer a program of high caliber which provides a variety of dramatic experiences for the participating students and for the audience as well.



- January 5 Film Series. *The Bicycle Thief* (Italian) and *The Red Balloon* (French)
- January 13 Assembly. Henri Peyre, Professor of French Literature, Yale University
- February 3 Film Series. *Ugetsu* (Japanese)
- February 5-8 Religious Emphasis Week. Main Speaker: Joseph Haroutunian, Professor of Systematic Theology, McCormick Seminary
- February 6 Owl and Nightingale Players. *Don Juan in Hell*
- February 22-23 Owl and Nightingale Players. *Hedda Gabler*
- February 23 Assembly. Gardner Murphy, Director of Research, Menninger Foundation, Topeka, Kansas
- March 3 Assembly. Ernest Gruening, U.S. Senator from Alaska
- March 3 Film Series. *The Last Bridge* (Austrian)
- March 9 Assembly. George Gallup, Director of the American Institute of Public Opinion
- March 16 Lecture. Hubert N. Alyea, Professor of Chemistry, Princeton University
- March 20 Bell Lecture. Dr. Lawrence Folkemer, Lutheran Theological Seminary, Gettysburg
- March 23 Phi Sigma Lecture. Wolfgang Kluxen, Scientific Assistant, Thomas Institute at Cologne University, Cologne, Germany
- March 24 Assembly. E. Franklin Frazier, Professor of Sociology, Harvard University
- March 26 Concert. Chapel Choir. *Messiah*
- April 6 Community Concert. Elizabeth Schwarzkopf, soprano
- April 7 Founders' Day Assembly. Arnold J. Toynbee, Historian
- April 8 Concert. Gettysburg College Concert Band
- April 13 Assembly. Delbert Oberteuffer, Professor of Physical Education, Ohio State University
- April 17 Film Series. *Ordet* (Danish)
- April 20 Eta Sigma Phi Lecture. Arthur M. Young, Head of Classics Department, University of Pittsburgh
- April 24-25 Lecture. George K. Bennett, President of the Psychological Corporation of New York City
- April 25 Community Concert. Parsons and Poole, Canadian Duo-Pianists
- April 26 Contemporary Civilization Film. *Animal Farm*
- April 28 Assembly. Channing Richardson, Professor of Political Science, Hamilton College
- April 28-29 Owl and Nightingale Players. *Guys and Dolls*
- May 3 Film Series. *Pather Panchali* (Indian)
- May 6 Spring Concert. Gettysburg College Choir and Chapel Choir
- May 8 Concert. Georgia Davis, contralto
- May 9 Lecture. Chu-ting Li, Assistant Professor of Art History, University of Iowa

## Cultural Events

- May 11 Academic Honors Day. Ira Reid, Professor of Sociology, Haverford College
- May 11-12 Lecture. Eugene I. Knez, Associate Curator of Asian Ethnology, Smithsonian Institution
- June 2 Third Annual Alumni Seminar. Dr. John S. Nicholas (1916), Dr. F. William Sunderman (1919), Dr. G. Lisle Beers (1921), Dr. Howard Rasmussen (1948), Dr. Richard T. Mara (1948)
- June 4 Baccalaureate. Rev. Henry B. Luffberry, Pastor, St. Paul's Lutheran Church, Washington, D. C.
- June 4 Commencement. Ewald B. Nyquist, Deputy Commissioner of Education of the State of New York
- September 14 Opening Convocation. C. Arnold Hanson, President of Gettysburg College
- September 21 Assembly. Dean John W. Shainline
- September 29 Film Series. *On the Waterfront* (American)
- October 4 Concert. Turnau Opera Players, Mozart's *Così fan Tutti*
- October 6 Film Series. *The Green Man* (English) and *Gerald McBoing Boing* (American)
- October 12 Assembly. Josh White, folk singer
- October 20 Assembly. Ravi Shankar
- October 20 Film Series. *Citizen Kane* (American) and *Soir de Fete* (French)
- October 26 Assembly. M. F. Ashley Montagu, Anthropologist and Social Biologist
- November 2 Assembly. Wing-tsit Chan, Professor of Chinese Culture and Philosophy, Dartmouth College
- November 3-4 Owl and Nightingale Players. *She Stoops to Conquer*
- November 9 Assembly. S. I. Hayakawa, Professor of Language Arts, San Francisco State College
- November 10 Community Concert. Roger Wagner Chorale
- November 17, 18, 19 Pennsylvania-West Virginia Regional National Students' Association Conference. Keynote Speaker: Cary McWilliams, Professor of Political Science, Oberlin College
- November 19-21 Robert Fortenbaugh Memorial Lectures on the Civil War. James W. Silver, Horace Montgomery, Rembert W. Patrick, Charles P. Roland, Lenoir Chambers, Colonel John M. Vir-den, Bell I. Wiley, Otis A. Singletary, Clement Eaton, Jerome W. Jones
- November 21 Assembly. Bell I. Wiley, Professor of History, Emory University
- December 1 Film Series. *Ballet of Romeo and Juliet* (Russian)
- December 2-3 Owl and Nightingale Players. *The Trojan Women*
- December 9 Concert. Brothers Four
- December 9-10 Christmas Concert. Gettysburg College Choir and Chapel Choir





## STUDENT COMMUNICATION MEDIA

Every community needs means of keeping its members in contact with each other and with the rest of the world. On the Gettysburg campus students receive world and campus news, information, and opinions through the campus newspaper and radio station; they read ideas and opinions of their contemporaries in the College literary magazine; they receive a record of their yearly activities through the College yearbook. These media not only inform the members of the community, but they also offer them an opportunity to practice expressing their ideas effectively and to learn the practical aspects of working with newspapers, radio stations, magazines, and yearbooks.

*The Gettysburgian* The College newspaper is staffed by students. Students are responsible for editing, feature writing, news writing, layout, personnel management, subscription management, and circulation. This newspaper is published weekly and carries news, feature articles, and editorials concerning the faculty, student body, and campus activities.

*The Mercury* The campus literary magazine is published three times a year. The poems, short stories, essays, and illustrations published in *The Mercury* are contributed mostly by students, although faculty members also make contributions. The editorial staff of students encourages creative writing within the campus community.



*The Spectrum* The College yearbook records all phases of College life. The yearbook, like the other three publications, is staffed entirely by students. *The Spectrum* offers opportunities for all students interested in feature and sports writing, editing, layout, photography, typing, and advertising. A copy of *The Spectrum* is distributed to all students in the spring each year.

*The G-Book* The freshman's guide to Gettysburg College gives the new student all necessary information concerning campus rules and regulations, activities, and organizations. The Student Christian Association and the Senate are responsible for this student publication.

*WWGC* The College radio station is the voice of the campus. Student managed and staffed, it broadcasts a variety of programs throughout each week from its new, fully equipped studios in the Student Union Building. WWGC is organized like a professional radio station and offers positions for announcers, disc jockeys, newscasters, engineers, music librarians, and typists, as well as jobs in production, continuity, and advertising.



## STUDENT ORGANIZATIONS AND ACTIVITIES

## HONORARY ORGANIZATIONS

A college community is primarily a community of scholars who pursue the goals of a liberal education and develop proficiency in a particular field of interest. In such a community, all scholars are honored but especially those who have achieved high academic performance. An honorary society, as the term implies, honors scholars, and membership in it also carries honor. These societies, some national and some local, all have been established to recognize individual scholastic achievement and to motivate students to achieve academic excellence. Although honorary organizations differ in their specific requirements for membership, all of them require academic competence in general plus academic excellence in one particular field.

## PHI BETA KAPPA

Phi Beta Kappa, established on the Gettysburg College campus on January 11, 1923, is the highest academic honorary fraternity. Not over ten per cent of the senior class may be elected to membership each year. Candidates for Phi Beta Kappa must be candidates for the Bachelor of Arts degree. These candidates must show promise of both intellectual and moral leadership. They must evidence a broad general culture as well as possess a distinguished academic record. Gettysburg College faculty members who are members of Phi Beta Kappa elect students to the Gettysburg College Phi Beta Kappa chapter.

NATIONAL HONORARY AND PROFESSIONAL FRATERNITIES AND  
FRATERNAL SOCIETIES

*Alpha Kappa Alpha*: society for students of Philosophy

*Alpha Psi Omega*: national society for dramatic students

*Arnold Air Society*: a military society for students excelling in Air Force ROTC

*Beta Beta Beta*: a society for students of Biology

*Delta Phi Alpha*: a German language society

*Eta Sigma Phi*: an undergraduate fraternity for students of the classics

*Kappa Delta Epsilon*: a professional Education society

*Kappa Phi Kappa*: a professional Education fraternity

*Lt. Charles Fite Company, Association of the United States Army*: military society for students in Army ROTC

*Music Educators' National Conference*: organization for music educators

*Phi Alpha Theta*: fraternity for majors in History

*Phi Sigma Iota*: society for students of the Romance Languages

*Pi Delta Epsilon*: journalistic society

*Pi Lambda Sigma*: fraternity for majors in Political Science and Economics

*Psi Chi*: organization for students in Psychology

*Scabbard and Blade*: military society for students in Advanced Course of Army ROTC

*Student Pennsylvania Education Association—National Education Association*: professional organization for students planning to teach

*Student Section, American Institute of Physics*: an association for students interested in Physics

#### LOCAL HONORARY SOCIETIES

*Gettysburg Honor Society*: a society comprised of students excelling in scholarship and extracurricular activities who, in association with the faculty, are dedicated to a superior Gettysburg College

*Sceptical Chymists*: an organization of students in Chemistry

#### OTHER ACTIVITIES

Within the College community each student should be able to find one activity which interests him. By participating in certain chosen activities, a student is able to develop leadership qualities, to develop and express talent, and to practice working with members of a group to achieve a common goal. Some of the activities which have not been mentioned previously are:

Alpha Phi Omega

Booster Club

Cheerleaders

Chess Club

Church Vocations Fellowship

Drill Teams

Air Force ROTC and Army ROTC

Debate Council

Gavel Club

G-Club

Government Club

Independent Men

Independent Women

International Relations Club

*Le Cercle Français*

Physical Education Majors Club

Premministerial Association

Sociology Club

Spanish Club

Women's Athletic Association

**STUDENT UNION BUILDING**

Many of the campus activities take place in the Student Union Building, commonly known as the SUB. This building fills such a variety of needs that almost every member of the campus community visits it at least several times during an average week.

On the first floor of the SUB is a snack shop and cafeteria, known on campus as the Bullet Hole. In one wing of the first floor is an auditorium which serves a variety of purposes. As an auditorium, with a seating capacity of 2,000, it is used for student assemblies, plays, concerts, and movies. With the chairs removed, it may be used as a ballroom. Here such college dances as the annual IFC Ball and the Military Ball are held. This ballroom is adaptable as a gymnasium for many of the women's physical education classes and for intramural contests. Also located on the first floor is the College Bookstore, where students may buy their textbooks, school supplies, and notions. On this floor, too, is a United States Substation Post Office, where students receive their mail in individual post office boxes. On both the first and second floors are large student lounges.

On the second floor of the building are many meeting rooms where student organizations and seminars meet. Just off the second floor lounge are four soundproof listening rooms. Students may use their own records or those available at the Union desk. Also on this floor is a barber shop. And for the convenience of commuting students the SUB is equipped with lockers.







Within the Student Union Building there are many recreational facilities such as a bowling alley equipped with automatic pin setters, a swimming pool with spectator bleachers and locker rooms for both men and women, a game room and a card room, ping pong tables, and a television room.

The student communication media have their offices here. From second floor studios WWGC broadcasts. *The Gettysburgian* and *The Spectrum* have their offices and workrooms in a special first-floor wing.

The activities which take place within the SUB are coordinated by a Student Union Board, composed of nine students, two faculty members, and the Director of the Student Union Building. Committees plan, coordinate, and publicize activities and facilities. Some of the responsibilities of the Student Union Board include offering a film subscription series which brings to the campus outstanding foreign and domestic films, planning social events, improving facilities, publicizing all events which take place within the building, publishing a student handbook which acquaints new students with the facilities available to them in the SUB, and providing hostesses and guides to conferences which meet within the Student Union Building.

## SOCIAL FRATERNITIES AND SORORITIES

On the Gettysburg College campus there are thirteen men's social fraternities and seven women's social fraternities, generally called sororities. All of these groups are nationally affiliated. These fraternal groups extend invitations for membership each fall after a "rushing" period. The fraternities are social in nature and provide an opportunity for members of the campus community to live in close association with other members of a group who have common ideals and who have pledged a common loyalty. About two-thirds of the men and women students are affiliated with fraternities. Each of these groups recognizes that the primary purpose of College is academic. Thus, each fraternal group encourages scholarship and sets certain academic standards for initiation.

*Women's Fraternities and Sororities*

Alpha Delta Pi  
Alpha Xi Delta

Chi Omega  
Delta Gamma  
Gamma Phi Beta

Phi Mu  
Sigma Kappa

*Men's Fraternities*

Alpha Chi Rho  
Alpha Tau Omega  
Kappa Delta Rho  
Lambda Chi Alpha

Phi Delta Theta  
Phi Gamma Delta  
Phi Kappa Psi  
Phi Sigma Kappa  
Sigma Alpha Epsilon

Sigma Chi  
Sigma Nu  
Tau Kappa Epsilon  
Theta Chi

## ATHLETICS

Since ancient Greece, liberal arts educators have always recognized the importance of sports and planned physical recreation, for they have realized that students should develop fit bodies as well as keen minds. On the Gettysburg College campus there is a full program of intercollegiate and intramural athletics for both men and women. It is therefore possible for all students of the College community to participate in some supervised sport. For those who display outstanding athletic skills there are the varsity teams. For those students not on varsity squads there is the opportunity to participate in the intramural program for which competitive teams are organized from the fraternities, sororities, and non-fraternity groups. Students are admitted to all athletic contests on campus by showing their College identification card.

### INTERCOLLEGIATE ATHLETICS

Gettysburg College maintains membership in the National Collegiate Athletic Association, the Eastern Collegiate Athletic Conference, and the Middle Atlantic States Athletic Conference.

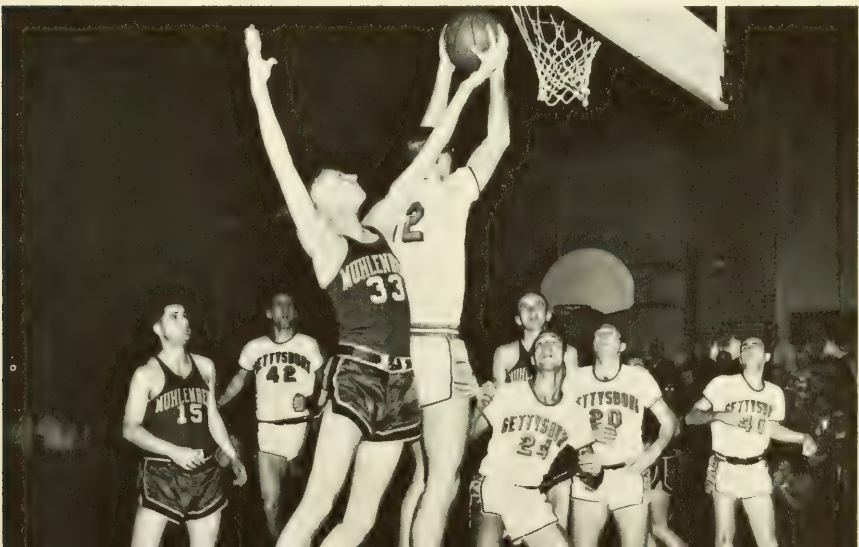
The intercollegiate program for men includes football, soccer, cross country, basketball, wrestling, swimming, baseball, track, tennis, and rifle teams.

The program of intercollegiate athletics for women includes field hockey and basketball.

### INTRAMURAL ATHLETICS

The men's intramural program is organized by the Health and Physical Education Department. Student representatives help plan and promote the program, which includes twelve activities: touch football, soccer, cross country, basketball, volleyball, swimming, bowling, table tennis, chess, badminton, tennis, and softball. Members of the Physical Education Club officiate at all intramural contests.

The intramural program for women is conducted by the Director of Women's Physical Education, with the assistance of representatives from the Women's Athletic Association, an organization which includes all women students. Like the men's intramural program, the women's intramural program endeavors to maintain interest in sports and to promote good sportsmanship. Field hockey, basketball, volleyball, swimming, bowling, table tennis, softball, and tennis are the planned athletic contests.





## STUDENT SERVICES

### STUDENT HEALTH SERVICE

Because the College feels that it should be informed adequately concerning the state of health of each new entrant as soon as he joins the College community, it requires each applicant for admission to submit to the Dean of Admissions a medical report from his family physician. On the College medical form parents and family physicians should include a complete medical history so that the College Medical Director will have access to accurate information before and during treatment of students.

The College maintains a Health Service for the benefit of all students. An agency of this service is a new, well-equipped College Infirmary. This Infirmary has twelve double rooms for in-patients, a two-bed isolation room, a kitchen, and treatment, examination, and consultation rooms, plus nurses' quarters. A staff of registered nurses and a full-time Medical Director provide twenty-four hour service during the school year for those students requiring medical attention.



The College Health Service entitles each student to the following:

- 1) Periodic medical examination if recommended on the medical report submitted by the family physician.
- 2) Consultation and treatment by the Medical Director.
- 3) Necessary medications.
- 4) Certain diagnostic procedures, as ordered by the Medical Director.
- 5) Infirmary care for all students. Those taking their meals in the College Dining Hall do not pay extra for meals while in the Infirmary, but those who normally eat elsewhere pay \$2 a day.

The Health Service does not provide for treatment of chronic illnesses nor for optical or dental care. Consultation with an additional physician, operations, and hospitalization are at the student's expense.

#### COUNSELING

Faculty members give their time freely to advise students concerning class work, course planning, career possibilities, and preparation for graduate school. In addition, the College provides other special counseling programs.

*Student Counseling Service* Under the direction of the Dean of Students, the Psychological Counselor, and the Clinical Consultant, a counseling service is available to help students with serious personal problems. Students may seek this counseling service voluntarily, or they may be referred to it by advisers or other faculty members.

*Developmental Reading* Gettysburg College assumes that every student has the ability to comprehend written material. However, it realizes that some students can improve their reading skills even at the college level. It therefore offers a Developmental Reading Program, which is designed to help a student improve both his reading proficiency and his study skills. Each semester a noncredit course is available in which instruction is adjusted to meet the needs of the individual student. Reading classes are held in the newly equipped reading laboratory located in Old Dorm. Students, especially freshmen, who desire improvement in these areas are encouraged to arrange for an evaluation of their reading abilities prior to enrollment in the program.

The reading programs are directed by a competent specialist. These services for the student are not included in the regular curriculum, and therefore it is necessary to charge a nominal fee. A fee of \$20 per semester is charged for the complete developmental program.

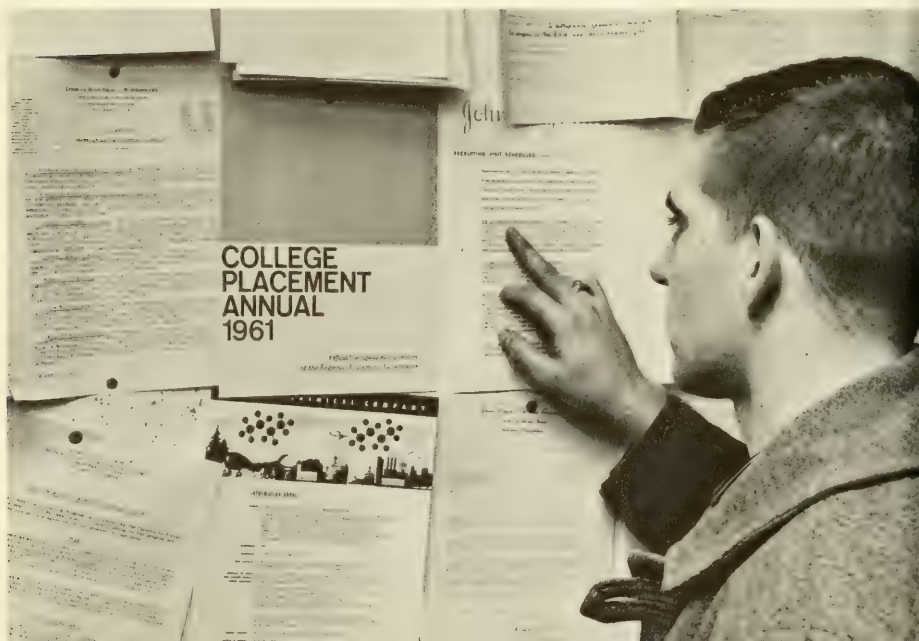
## PLACEMENT

Life for students in a college community is only a temporary one, for all students look forward to entering a graduate school, taking a position in business, or teaching. The College makes every effort to assist its students make this transition. Through placement bureaus and faculty advisers, the College helps students gain admittance to graduate schools and to find suitable jobs.

*Teacher Placement* The College maintains a free Teacher Placement Bureau to assist seniors and graduates in securing positions and to aid school officials in locating properly qualified teachers. All communications should be addressed to the Director of the Teacher Placement Bureau.

*College Placement* The College operates a general placement service for its students and alumni. The Director of Guidance and Placement, in cooperation with the Dean of Students, arranges for employment personnel of many business and industrial organizations to meet students for personal interviews. In the Office of the Director of Guidance and Placement there is a library of material on career possibilities in business and the professions. Students who wish aid in securing placement should register with the Director of Guidance and Placement early in their senior year.

*Departmental Placement* The administration and major advisers informally assist students in securing employment or placement in graduate school. The Director of Guidance and Placement has a wide selection of



graduate school catalogues for student reference. Three times a year the Graduate Record Examination is given on the Gettysburg campus for those students who plan to enter a graduate school.

## STUDENT CONDUCT

Every community has certain laws and traditions which each citizen is expected to abide by and uphold. A college community is no exception. Perhaps a college campus community, even more than others, depends upon members who are mature and have a sense of responsibility. Only in such a community of responsible citizens can there be an atmosphere established which will contribute to the liberal arts education. Consequently, the student who fails to contribute to the Gettysburg College community or who fails to promote its objectives by his support forfeits his right to continued membership in it. The College reserves the right to dismiss summarily any student whose conduct is detrimental to its welfare or whose attitude is antagonistic to the spirit of its ideals. Such an individual forfeits all fees which he has paid.

At the beginning of each school year the Dean of Students issues an official *Summary of Regulations*, a statement of many of the academic and social rules in effect in the College. Since each student is responsible for observing these rules, each should become thoroughly familiar with this statement.

Before a student decides to apply for entrance into Gettysburg College, he should be aware of some of these rules governing student conduct.

### ALCOHOLIC BEVERAGES

The possession or use of alcoholic beverages on College property, including fraternity houses, or at College functions is prohibited.

### AUTOMOBILES

Neither freshmen nor sophomores are permitted to have automobiles on the campus or in the community of Gettysburg. Students who are permitted to have automobiles are required to register them with the Dean of Men and obey the regulations governing their use.

### STUDENT MARRIAGES

Any student under the age of twenty-one who plans to marry must, at least two weeks before the marriage, satisfy the Dean of Students that the parents or guardians of both parties have consented to the marriage. Students violating this rule are subject to dismissal.

### DISCIPLINARY PROBATION

Any student who is found guilty by the Student Conduct Committee of violating College rules or civil laws may be placed on disciplinary probation by the Dean of Students.

### FACILITIES

The campus of Gettysburg College is over a century and a quarter old. Pennsylvania Hall (Old Dorm) was completed in 1838 and for a time housed the President, students, classrooms, and library. The White House, completed in 1860, was the residence of the College's presidents until 1952. Stevens Hall was built in 1868 for the old preparatory department of the College. Among the other major buildings Glatfelter Hall was completed in 1889, Brua in 1890, and McKnight in 1898. Huber Hall was built in 1917. Several of these buildings, certainly not past their usefulness, have been recently remodeled to provide up-to-date academic facilities.

Four campus buildings are the product of the 1920's: Weidensall Hall (1922), Breidenbaugh Science Hall (1927), Eddie Plank Memorial Gymnasium (1927), and Schmucker Memorial Library (1929). The postwar building program began with Hanson Hall (1950) and has continued with Christ Chapel (1953), Stine Hall (1956), Rice and Paul Halls (1957), Emma G. Musselman and North Dormitories and the Dining







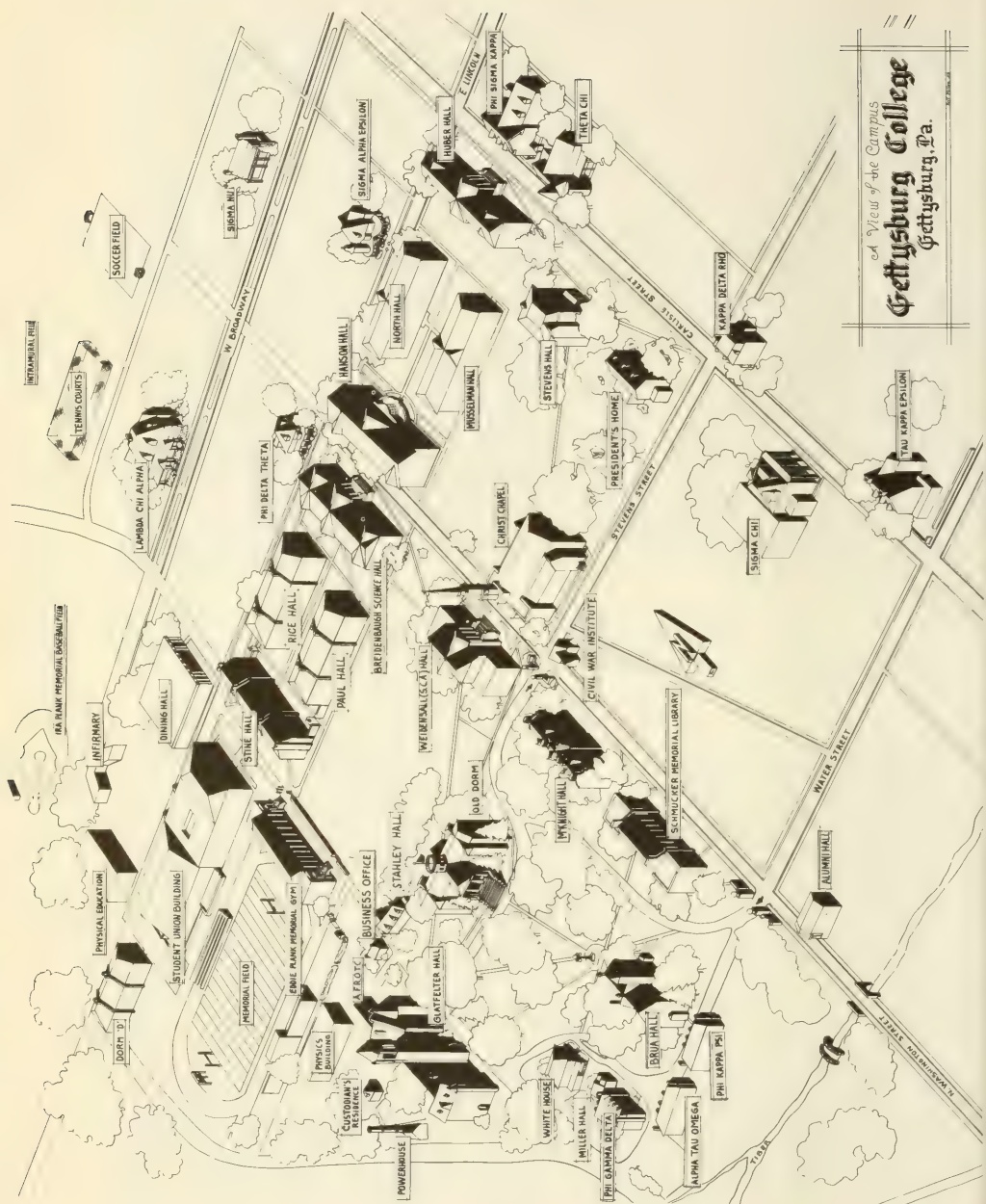
Hall (1958), Dormitory D and the Student Union Building (1959), the Infirmary (1960), the Physics Laboratory (1961), and the Physical Education Building (1962).

This program of construction and renovation has provided the College with excellent facilities for a thriving academic community. A considerable part of the financial support for this program has come from The Woman's League of Gettysburg College. The campus itself symbolizes the aims of the College—to retain the best of the past, to provide for the present, and to plan for the future.

#### LIBRARIES

Schmucker Memorial Library, remodeled and enlarged in 1961, is the College center of academic life. With well over 100,000 volumes supplemented by documents and pamphlet files, the library also receives more than 600 current periodicals.

The audio-visual department maintains a large record collection on open shelves for general circulation, and a growing file of microcards, microfilms, slides, filmstrips, and tape recordings with corresponding equipment for viewing and listening. It is also the service center for audio-visual materials used in the classrooms.



*A View of the Campus*  
**Gettysburg College**  
Gettysburg, Pa.



Special collections include the Zimmerman Collection of general literature, history, and biography; the Arensberg Collection of works on Napoleon; the Parkin Collection on World War I; the Warthen Library of eighteenth century literature; a documentary collection of the military history of World War II; and a growing collection of works on Oriental cultures to undergird the extensive Kramer-Hampshire Oriental Art Collection of jades, ivories, semiprecious gem stones, porcelains, and paintings housed in the library.

Individual study carrels in the open-shelf stack areas complement large and small reading rooms located on three floors adjacent to the stacks, to accommodate over 600 readers.

Chemistry and physics departmental libraries are housed near their respective laboratories.

#### THE GETTYSBURG COLLEGE CIVIL WAR INSTITUTE

A small building houses the College's collection of American Civil War material. The College Historian also has his office in this building. The material in this collection, much of it primary source material not available elsewhere, is not limited to the Battle of Gettysburg. The Institute welcomes all Civil War scholars but also encourages Gettysburg College students to do research work here.





#### CLASSROOM BUILDINGS

Glatfelter Hall, an imposing stone building recognized by its tower and clock, remains the major classroom building on campus. McKnight Hall is the center of language study with a fully equipped language laboratory. Weidensall and Stahley Halls are classroom and office buildings. From Brua Hall comes the sound of music, for in this building the Music Department has its studios, classrooms, and recital hall. In the Air Science Building the Air Force ROTC detachment has its headquarters and classrooms.

In Breidenbaugh Science Hall are the lecture halls, classrooms, and laboratories of the Chemistry Department. Similar facilities are housed in the new Physics Laboratory.

The facilities of the Army ROTC and of the women's athletic program are located in the Eddie Plank Memorial Gymnasium. In the Physical Education Building, which is the center for the men's athletic program, there is a large court for the playing of all indoor sports.



Near the gymnasium are three athletic fields: Memorial Field, a combination field for football and track; the Ira Plank Memorial Baseball Field devoted exclusively to intercollegiate baseball games; and an Intramural Field, which contains tennis courts, and soccer, lacrosse, softball, football, and hockey fields.

#### ADMINISTRATIVE OFFICES

The President of the College, the Personnel Deans, and the Registrar have their offices in Glatfelter Hall. The Dean of the College and the Dean of Admissions have their offices in The White House. The Business Office is centrally located on campus in a small stone building which was formerly the Sigma Chi fraternity house. The Office for Development, the Publicity Office, and the Alumni Office are located in Alumni Hall, formerly the Alpha Tau Omega fraternity house. The Guidance Department offices and the offices of the Director of the Developmental Reading Program are in Pennsylvania Hall (Old Dorm).

The President's House, formerly used as the on-campus residence of the President of the College, has recently been renovated to provide adequate office facilities for former President of the United States Dwight D. Eisenhower.

#### LIVING AND DINING FACILITIES

The women's dormitories are grouped together on the northeast corner of the College campus. Hanson Hall forms the western portion of a quadrangle of women's dormitories, while Huber Hall forms the eastern terminal. The Emma G. Musselman and North Dormitories are located between Hanson and Huber Halls and form sides of the quadrangle. Each of these units has attractive rooms for its residents, lounges and recreational rooms, and an apartment for the head resident. To the south of Huber Hall is Stevens Hall, which has recently been completely refurnished to provide comfortable accommodations.

There are also five dormitories for men. Stine Hall forms the western end of a quadrangle of buildings which includes the Breidenbaugh Science Hall, Rice Hall, and Paul Hall. Dormitory D is located west of the Student Union Building. Each of these dormitories provides residents with attractive double rooms, a lounge, and tiled baths. A few men students have dormitory rooms in Pennsylvania Hall (Old Dorm).

Christ Chapel, the College Dining Hall, the Infirmary, and the Student Union Building are located near the living area on campus.



# Admission

ADMISSION to Gettysburg College is now strongly competitive. Although the College has recently expanded and improved its facilities, it believes that its purposes can best be achieved if it maintains its character as a relatively small church-related school. The requirements for admission are designed to enable the College to select students who will best contribute to and benefit from such a community of learning.

## REQUIREMENTS FOR ADMISSION

The Committee on Admissions considers each applicant individually, using as its criteria of selection the following:

1) *Evidence of good moral character and acceptable social habits.* A confidential statement from the counselor, headmaster, or principal assuring the committee of these qualities and giving an estimate of the student's maturity, motivation, and intellectual curiosity is a part of the high school transcript. The College relies also on recommendations from its alumni and friends in making an estimate of the applicant's potential. A visit to the campus and a personal interview with admissions personnel is highly desirable.

2) *Evidence of academic attainment and ability.* Graduation from an approved secondary school with 16 standard units including 4 units of English, 1 of Elementary Algebra, and 1 of Plane Geometry or Intermediate Algebra is required. In addition, 2 units of Natural Science, 2 of History, and 2 of one foreign language are strongly recommended. Additional subjects may be chosen from Mathematics, Natural Science, Social Studies, and foreign language. No more than 3 units in nonacademic subjects will be accepted.

Grades in academic courses, rank in class, distribution of subjects and, where applicable, participation in accelerated, enriched, and advanced courses, constitute an important part of the applicant's credentials. Su-



perior facility in the use of the English language and a firm understanding of fundamental mathematical processes are essential to a fruitful college experience.

3) *Evidence of ability to do good college work as indicated by Aptitude and Achievement Test results.*

### ENTRANCE EXAMINATIONS

Gettysburg College requires that all candidates for admission take the Scholastic Aptitude Tests (the Morning Program) of the College Entrance Examination Board. The College strongly urges applicants to take the Achievement Tests (the Afternoon Program) in English and other subjects which the student may wish to continue in College. Although not required for admission the achievement tests are useful in the guidance program of the College and in the selection of freshmen courses.

High School principals and guidance counselors usually have complete information and application blanks for the College Board Tests. However, information brochures, application forms, and sample tests may be obtained by writing the College Entrance Examination Board,





Box 592, Princeton, N. J., or Box 27896, Los Angeles 27, Cal. Scholastic Aptitude Tests, Achievement Tests, and the Writing Sample will be given on Saturdays, December 1, 1962, January 12, 1963, and March 2, 1963, and on Wednesday, August 14, 1963.

## APPLICATION FOR ADMISSION

A student desiring to enter Gettysburg College should secure an application blank from the Dean of Admissions. After filling out the third and fourth pages of that form he should ask his school to complete it and forward it to the Admissions Office.

A fee of \$10 must accompany the application. This fee is not refundable and is used to help defray the cost of processing the application.

## OFFERS OF ACCEPTANCE

### THE EARLY DECISION PLAN

A student may present an application at any time after the completion of his junior year in high school. Applicants whose three-year academic achievement record and junior-year Scholastic Aptitude Test scores are distinctly superior will be considered for early acceptance. These early offers of acceptance are intended primarily for those applicants who have made a decision on their college. It is recommended that students interested in this plan take the Scholastic Aptitude Test in March or May of the junior year and that they take the Achievement Tests in May. The early offer of acceptance is binding on the College upon payment of a nonrefundable advance payment of \$100 to Gettysburg College.

### REGULAR OFFERS OF ACCEPTANCE

Most offers of acceptance are announced between the middle of February and the middle of March, after the applicant has presented senior College Board Scores and senior midyear grades. To be sure of maximum consideration, women should present applications by the first week in February. Men's applications should be presented by the middle of February. It is also to the student's advantage to take the senior Scholastic Aptitude Test not later than January of the senior year.

The College reserves the right to cancel an offer of acceptance unless the candidate makes an advance payment of \$100 within fifteen days of the date of acceptance. The advance fee made to validate a regular

offer of acceptance is refundable up to May 1 of the student's entering year.

### ADVANCE PAYMENTS

No refunds under either the early or regular acceptance plans can be made except through a previously made contractual agreement with the Dean of Admissions.

Of the advance payment, \$75 is credited to the first semester's bill. The remaining \$25 is held as a deposit against minor charges such as laboratory breakage. Any unused portion of this deposit is returned to the student when he graduates or leaves school.

Successful applicants for the February or June terms may be refunded the \$100 advance fee if they withdraw sixty or more days before the beginning of the term for which they are accepted.

### DORMITORY ROOM RESERVATION

Dormitory room preference is given to students in the order of the receipt of the advance payment. Since there is some difference in the desirability of dormitory rooms, it is to the student's advantage to make the advance payment promptly. No room assignment will be made until this payment has been received.

### ADMISSION WITH ADVANCED PLACEMENT

Gettysburg College participates in the Advanced Placement Program of the College Entrance Examination Board. Advanced placement or credit may be granted to students who have performed satisfactorily in college-level courses in secondary school and on the advanced placement examinations. These examinations are administered in the spring at centers announced by the College Entrance Examination Board.

Students who have completed approved accelerated programs may be considered for admission with advanced placement upon the recommendation of the secondary school.

### ADMISSION OF TRANSFER STUDENTS

A student is eligible to transfer to Gettysburg from another college only if he is entitled to an honorable dismissal without social or academic probation. A transfer student must present an official transcript from all colleges or universities attended, as well as an application form showing his high school record.

Gettysburg College requires approximately a B average in previous college work for the acceptance of transfer students. Credit is granted for individual courses passed with a grade of C or better at approved institutions, provided that these courses fit reasonably well into the Gettysburg curriculum. Academic credit for courses transferred is granted tentatively until the student has satisfactorily completed one year of work at Gettysburg College.

All transfer students must meet the requirements demanded of all members of the class into which they transfer. A student admitted as a sophomore must complete at least 90 academic hours and fulfill the sophomore requirement in physical education or military science. A student admitted as a junior must complete at least 60 academic hours at Gettysburg College. A transfer student must spend his senior year in residence completing at least 30 semester hours in order to receive a degree from Gettysburg College.

Transfer students with less than 45 semester hours of credit are required to take General Education 101-102 and 201-202. Those with at least 45 semester hours of credit but less than 75 semester hours are required to take General Education 201-202.

## ADMISSION AT THE BEGINNING OF THE SECOND SEMESTER

Freshmen and transfer students may be admitted at the beginning of the second semester. Methods and requirements for admittance are the same as for entering at the beginning of the regular academic year in September.

## ADMISSION TO THE SUMMER SESSION

Students who are candidates for degrees at Gettysburg College are eligible to register for the Summer Session.

A student who is a candidate for a degree from another college may enter the Summer Session upon certification by the Dean of that institution that the applicant is a bona fide student and that the courses taken at Gettysburg College will be accepted for credit if they are passed with certifying grades.

Others applying for admission to the Summer Session only may be accepted upon presentation of official evidence of preparation to meet the regular admissions requirements. An application form is available from the Admissions Office.





# College Expenses and Financial Aid

## COMPREHENSIVE FEE PLAN

GETTYSBURG COLLEGE operates under the comprehensive fee plan for the regular school year. The student pays a fee which covers all academic expenses except books and private lessons in music.

The comprehensive fee allows a freshman or sophomore to take from 12 to 16 credit hours each semester in addition to the basic course in Physical Education, Military Science, or Air Science. Any freshman or sophomore pursuing studies which total more than 16 credit hours per semester must pay \$35 for each credit hour above the 16 hours permitted. The comprehensive fee allows a junior or senior to take from 12 to 18 credit hours each semester. Any junior or senior pursuing studies which total more than 18 credit hours must pay \$35 for each hour above the 18 hours permitted.

	1962-3	1963-4
Comprehensive Fee	\$1,100	\$1,300
BOARD		
College Dining Hall	\$ 448	\$ 448
ROOM RENTS		
Women's Dormitories		
Cottages	\$ 200	\$ 250
Hanson Hall	240	300
Huber Hall	200	250
Musselman and North Halls	250	300
Stevens Hall	200	250
Men's Dormitories		
Pennsylvania Hall (Old Dorm)	200	250
Stine, B, C, and D Halls	240	300



#### ESTIMATE OF TOTAL EXPENSE FOR THE 1963-1964 ACADEMIC YEAR

	<i>Minimum</i>	<i>Liberal</i>
Comprehensive Fee	\$1,300	\$1,300
Board	448	448
Room (dormitory)	250	300
Books and Stationery (estimated)	100	150
	<u>\$2,098</u>	<u>\$2,198</u>

This tabulation does not include laundry and personal expenses such as clothing, spending allowances, fraternity dues, and transportation.

#### PART-TIME STUDENTS

Any student who is not a candidate for a degree and who is taking a program of less than 12 semester hours is considered a part-time student, for whom the following schedule of fees is applicable:

	<u>1962-3</u>	<u>1963-4</u>
Tuition (per semester hour)	\$32.50	\$38.50
Laboratory fee (per semester, each)	18.00	20.00
Library fee (per semester)	5.00	5.00
Registration fee (per semester)	5.00	5.00

#### PAYMENT OF BILLS

*All College bills are due and must be paid in full before registration each semester.* Each student will be billed for one-half of the yearly comprehensive fee, room rent, and board charge before the beginning of each semester. Checks should be made payable to Gettysburg College and sent to the Bursar, Gettysburg College, Gettysburg, Pa.

Of the advance payment of \$100 made under either the early or regular acceptance plans, \$75 is credited to the first semester bill and the re-

maining \$25 is credited to the reserve deposit. This deposit is used to pay for minor charges such as laboratory breakage, infirmary meals, and room damage.

Every student in College is required to pay a fee of \$50 at spring registration. This amount is deducted from the student's first semester College bill. No refunds will be made after July 1.

No student will be permitted to be graduated, or receive a transcript of record or statement of honorable dismissal, until all financial obligations to the College and community have been met.

## VETERANS

Gettysburg College has entered into a contract with the Veterans Administration whereby veterans attending College under the provisions of Public Law 550 (the Korean G.I. Bill) are eligible to receive monthly amounts from the Veterans Administration in accordance with the scale established by the law.

## INSURED TUITION PAYMENT PLAN

The Insured Tuition Payment Plan of Boston is a combination of a pre-payment installment plan covering four years of College expenses, and an insurance policy guaranteeing payment for completion of the four years in the event of the death or total disability of the person financing the student's education. It is available to all entering students through Mr. Richard C. Knight, 38 Newbury Street, Boston 16, Mass. Parents may write directly to Mr. Knight for information and contract. The Dean of Admissions will mail a brochure of information to all new students on or before June 1 of each year.

## THE TUITION PLAN, INC.

Gettysburg College makes available to parents who find it necessary or more convenient to pay in monthly installments a source of credit, The Tuition Plan, Inc., of One Park Avenue, New York 16, N. Y. This plan is a lending agency and should not be confused with the Insured Tuition Plan. Through the Tuition Plan, Inc., contracts may be negotiated covering one, two, three, or four years' College expenses with payments spread over eight, twenty, thirty, or forty months respectively, with the multiple-year plan including the benefits of Parent Life Insurance. Information describing this plan will be mailed to all students during the summer months.

## BOARD AND HOUSING ACCOMMODATIONS

All women students, except those living at home, and all entering freshmen are required to take their meals in the College Dining Hall. Fraternity pledges are permitted to eat the evening meal and the noon meal on Sunday in their fraternity houses.

All women students, all freshman men, and, as long as there is space available, all sophomore men are required to live in College dormitories, exceptions being made only for married students and those students living at home. Sophomores and juniors permitted to live off campus are subject to recall to a College dormitory at the end of any semester.

The College provides a single bed, a mattress, a dresser, a study desk, and a chair for each student. Pillows, linens, blankets, study lamps, draperies, and other accessories must be furnished by the student. A reputable laundry provides linen rental and service. Pictures and other decorations may be suspended only from the picture rails.

## REFUNDS

No refunds of the comprehensive fee will be made after the first week of any semester except where a student has had to withdraw because of serious illness or call by Selective Service, in which case the fee will be refunded on a proportionate basis.

No refund of the board fee may be made unless authorized by the Business Manager.

Room charges are refundable only if a student leaves College because of serious illness, or call by Selective Service, or finds a replacement who is willing to assume the remaining charge.

## TRANSCRIPTS

Each student is permitted one free transcript of his full record upon graduation or withdrawal from College. Anyone desiring more than one must send his request to the Registrar and enclose payment of \$1 for each additional transcript requested.

## COLLEGE BOOKSTORE

The Bookstore in the Student Union Building is operated by the College for the convenience of the students. Since it is operated on a cash basis, all students should be provided with \$50 to \$75 in cash each semester to purchase the necessary books and supplies.





## Financial Aid

In granting financial aid to students, the faculty Committee on Scholarships and Financial Aid is governed primarily by character, need for assistance, and academic ability. Because the fundamental purpose of granting aid is to assist worthy students who otherwise could not attend College except by undue sacrifice on the part of the parents, the principal emphasis in a grant is on the need of the applicant.

Upon application, the children of United Lutheran Church in America clergymen may be granted a discount in tuition.

Gettysburg College uses the scholarship services of the College Entrance Examination Board. All new applicants for aid should secure a College Scholarship Service form from their high school counselor. The Board forwards the financial information to the schools to which the applicant is applying for a grant-in-aid.

All new students who seek aid should present applications at an early date. Students who have had a previous grant should secure a renewal blank from the Dean of Students and return it before April 1.

### CONDITIONS OF A GRANT-IN-AID

- 1) Grants are awarded for one year at a time. Ordinarily they are renewable upon application if the original conditions continue.
- 2) Financial aid is never granted to a student for more than eight semesters. There are no grants available during a Summer Session.
- 3) Generally, no aid is granted to married students. If a student receiving aid is married while in College, aid is terminated at the end of the semester in which the marriage occurs.
- 4) A student receiving financial aid may not own an automobile and may not operate or maintain an automobile in the College community.
- 5) A student placed on disciplinary probation, convicted of an honor code violation, or guilty of violating the rule governing automobiles, loses his aid immediately. He will be eligible to apply for reinstatement of his aid the next semester.
- 6) A student suspended from the College for disciplinary reasons, honor code violation, or poor scholarship will not be eligible, upon his return, to receive aid for a period of one semester.
- 7) A student placed on academic probation loses his aid, except that a freshman placed on probation at the end of his first semester has the following semester in which to be removed from probation before being deprived of aid. A student placed on academic probation at the end of the second semester must be removed from probation during the Summer Session to be eligible for financial aid the next semester.
- 8) Financial aid may be awarded in varying amounts, but in no case does a free grant exceed \$800 (\$1,000 for 1963-4) or the combination of free grant and loan exceed \$1,000 (\$1,300 for 1963-4).
- 9) All grants are applied as a credit on the College bill.

### TYPES OF AID

The following types of financial aid are available to students. All of them are granted by the Committee on Scholarships and Financial Aid under the conditions explained in the preceding section.

- 1) *College Loans* College loans are interest free until the student has been out of College for one month, after which interest is charged on the remaining indebtedness at the rate of 3 per cent per year. The interest and principal shall be paid in not more than six annual payments, beginning one year after the student leaves College. Interest charges and payments on the principal may be deferred for those attending graduate

school. After a loan has been granted, the College Business Manager is in charge of administering all financial details.

2) *Government Loans under the National Defense Education Act of 1958* To be eligible for these loans, students must be United States nationals with superior academic backgrounds. Preference is given to students who are preparing to teach in elementary or secondary schools or who show a superior capacity in science, mathematics, or a modern foreign language. The maximum amount of a loan in any one year is \$1,000, and the total available to any student for undergraduate and graduate study is \$5,000.

Interest at the rate of 3 per cent per year is charged on any unpaid balance, beginning one year after the borrower ceases to be a full-time student. Repayment of the principal and accrued interest shall be made within a period not to exceed ten years. Any borrower who serves as a full-time teacher in the public schools may have 10 per cent of the loan cancelled for each year of such service until the total cancellation amounts to 50 per cent of the loan.

After a loan has been granted, the College Business Manager is in charge of administering all financial details.

3) *Free Grants-in-Aid* Each year the College reserves a certain amount of money to assist worthy students. New students should apply for these grants, since they rarely can meet the special conditions of the Endowed Scholarships.

4) *Competitive Honor Scholarships* The College grants awards to six men and three women students who are designated Competitive Honor Scholars. Honor Scholars are selected on the bases of their secondary school record (with emphasis on academic achievement), strong moral character, contribution to the high school community program, and Scholastic Aptitude Test results of the College Entrance Examination Board. To be considered for these awards the student must take the Scholastic Aptitude Tests no later than February.

Based primarily upon the financial needs of the recipient, the award ranges from \$100 to \$1,000 annually. In order to receive more than the \$100 annual grant, the Honor Scholar must establish financial need by presenting the scholarship form of the College Scholarship Service.

5) *Endowed Scholarships* Funds have been provided for the award of scholarships under the conditions specified in the grants described below.

# **ENDOWED SCHOLARSHIPS**

*Dr. Joseph B. Baker (1901) and Rena L. Baker Scholarship* The income from \$2,500 donated by the Woman's League of Gettysburg College is given to a needy and deserving student pursuing work in the Music Department.

*Dr. Ray Alfred Barnard (1915) Scholarship* The income from \$1,801 provided by Dr. Barnard is given to a male student from the Central Pennsylvania Synod who is preparing for the Lutheran ministry.

*The Rev. Sydney E. Bateman (1887) Scholarship* The income from \$500 is awarded to a needy ministerial student.

*Belt-Hess-Quay Scholarship* The income from \$9,250 provided by Effie E. Hess Belt (1898) in commemoration of several relatives is awarded as follows: first preference is given to a member of Grace Lutheran Church, Westminster, Maryland; second preference to any other resident of Carroll County, Maryland, who is pursuing theological studies at the College; and third preference is given to any deserving student.

*Jesse E. Benner (1907) and Minerva B. Benner Scholarship* The income from a bequest of \$10,000 is used to aid worthy students in need, preferably ministerial students.

*Burton F. Blough Scholarship* The income from \$5,000 contributed by a former trustee is used to aid needy and deserving students.

*Class of 1913 Scholarship* The income from \$6,860 is awarded to a needy and deserving student.

*Class of 1916 Scholarship* The income from \$2,000 is awarded to a needy and deserving sophomore.

*Class of 1918 Scholarship* The income from \$13,617 is awarded to needy and deserving students.

*Jacob C. Eisenhart and Rosa Bott Eisenhart Scholarship* The income from \$6,500 established by the J. C. Eisenhart Wall Paper Company is awarded to a deserving Lutheran ministerial student or a student planning to become a Lutheran missionary.

*Clarence A. Eyler (1880) and Myrtle B. Eyler Scholarship* The income from a bequest of \$5,000 is awarded to a worthy Lutheran preministerial student.

*Annie C. Felty Scholarship* The income from \$900 is given to a needy and deserving student.

*Dr. Daniel F. Garland (1888) Scholarship* The income from \$500 is awarded to a deserving ministerial student.

*Dr. and Mrs. James E. Glenn Scholarship* The income from \$4,025 contributed by James D. Glenn (1923) in memory of his parents is awarded to a worthy student, one preparing for either the Christian ministry or the medical profession.

*Gordon-Davis Linen Supply Company Scholarship* The income from \$3,500 contributed by the company is awarded to a deserving student.



*Grand Army of the Republic Living Memorial Scholarship* The income from \$2,500 donated by the Daughters of Union Veterans is awarded to a needy and deserving student, preferably the descendant of a Union veteran.

*Ida E. Grover Scholarship* The income from a bequest of \$8,630 is awarded to a needy and deserving student.

*J. Alfred Hamme (1918) Scholarship* The income from \$13,189 given by Mr. Hamme is awarded to a deserving student.

*Dr. and Mrs. Leslie M. Kauffman Scholarship* The income from \$1,000 donated by the Kauffmans is awarded to a deserving student.

*Hon. Hiram H. Keller (1901) Scholarship* The income from \$15,000 bequeathed by Mr. Keller, a former trustee, is granted on the basis of need and ability, preferably to applicants from Bucks County, Pennsylvania.

*The Rev. Frederick R. Knubel (1918) Memorial Scholarship* The income from \$1,948 given by John M. McCollough (1918) in memory of his classmate, is awarded to an outstanding senior ministerial student who has financial need.

*The Rev. H. J. H. Lemcke (1860) Memorial Scholarship* The income from \$14,439 given by Ruth Evangeline Lemcke in memory of her father is awarded to worthy men students who are graduates of Pennsylvania secondary schools.

*Charles B. McCollough, Jr. Memorial Scholarship* Income amounting to about \$2,000 per year from a fund provided by Charles B. McCollough (1916) and Florence McCollough in memory of their son and by H. B. Earhart in memory of his grand-nephew is awarded to one or more worthy men students.

*Dr. John E. Meisenholder (1897) Scholarship* The income from \$7,785 bequeathed by Dr. Meisenholder is awarded to a deserving student.

*J. Elsie Miller Scholarship* The income from \$5,000 bequeathed by Mr. Miller is awarded to a ministerial student.

*Miller-Dewey Scholarship* The income from \$10,000 bequeathed by the Rev. Adam B. Miller (1873) is awarded to a deserving student.

*Nellie Oller and Bernard Oller Memorial Scholarship* The income from \$5,000 bequeathed by Ida R. Gray in memory of her daughter and son-in-law is awarded to a deserving student, preference being given to a Lutheran applicant from Waynesboro, Pennsylvania.

*Lovina Openlander Scholarship* The income from \$3,000 is awarded to needy and deserving students.

*Willard S. Paul Scholarship* The income from \$15,158 contributed in his honor by friends of the College on the occasion of President Paul's retirement is awarded to a deserving student.

*Philip P. Rudhart Scholarship* The income from \$26,812 bequeathed by Emma R. Binnix in memory of her brother is awarded to deserving male students.

*Edgar Fahs Smith (1874) Memorial Scholarship* The income from a bequest of Margie A. Smith in memory of her father will be awarded when the principal reaches a stated sum.

*Edward J. Stackpole Scholarship* The income from \$4,000 contributed by the friends of General Stackpole is awarded to a deserving student, preference being given to a student in American History interested in the Civil War.

*The Rev. Milton H. Stine (1877) and Mary J. Stine Memorial Scholarship* The income from \$5,000 provided by Dr. Charles M. A. Stine (1901) in memory of his parents is awarded to a ministerial student.

*Dr. J. H. W. Stuckenberg Scholarship* The income from \$15,000 bequeathed by Dr. Stuckenberg is awarded to a qualified student.

*Parker B. Wagnild Music Scholarship* The income from \$3,700, contributed by alumni and friends of the Gettysburg College Choir, is given to a needy and deserving student in the Music Department.

*Dr. Rufus B. Weaver (1862) Scholarship* The income from \$19,991 bequeathed by Dr. Weaver is awarded to deserving students.

*Senator George L. Wellington Scholarship* The income from \$5,000 bequeathed by Mr. Wellington is awarded to a deserving Lutheran ministerial student.

*Jeremiah A. Winter and Annie C. Winter Memorial Scholarship* The income from \$10,250 contributed by Amelia C. Winter in memory of her parents, is granted to a needy and deserving student.

## OTHER AID FOR STUDENTS

*Aero Oil Company Scholarship* The sum of \$600 provided by the Aero Oil Company is available to a needy and deserving student from the area in which it operates.

Loans are available to members of the senior class from the *Alumni Loan Fund*, established by the Alumni Association and augmented by individual contributions. Applicants need at least one approved endorser of their note. The loan is interest free until one year after the borrower's class has been graduated, after which it bears interest at the rate of 6 per cent per year.

*Frank D. Baker Scholarship* The sum of \$300 is awarded to students in immediate need.

Mr. and Mrs. C. J. Kirschner established the *Alvan Ray Kirschner Scholarship Fund* in memory of their son who lost his life in World War I. The income from \$10,000 is awarded to two students, preference being given to applicants from Hazleton and vicinity. Application for these scholarships should be made directly to Mr. Carl E. Kirschner, Hazleton, Pennsylvania.

The St. James Lutheran Church of Stewart Manor, Long Island, has established *The Rev. Edward I. Morecraft (1924) Memorial Loan Scholarship Fund* in memory of its late pastor. Amounting to \$1,000, this fund is used to assist worthy students under the same conditions as the Alumni Loan Fund.

*C. H. Musselman Company Scholarship* A grant from The Musselman Foundation covering the comprehensive fee is awarded to a qualified student. If more than one applicant meets the general qualifications, preference is given to one intending to major in Chemistry or Business Administration.

The income from \$5,000 given by the *Parent Education Society of the Evangelical Lutheran Church in the United States* provides ten \$20 scholarship loans to ministerial students. The loans are cancelled if the recipient serves two continuous years in the ministry. The President of the College and the President of the Lutheran Theological Seminary, Gettysburg, grant the loans.

*Presser Foundation Scholarship* The sum of \$400 provided by the Presser Foundation, Philadelphia, is awarded to a qualified student in the Music Department.

Dr. E. Lloyd Rothfuss (1916) has contributed \$6,000 as the *Charles H. Rothfuss and Martha Huffman Rothfuss Loan Scholarship Fund* in memory of his parents. This fund is administered under the same terms as the Alumni Loan Fund.

*Sons of Union Veterans of the Civil War Scholarship* The sum of \$300 provided by the Sons of Union Veterans is awarded to a student on the basis of need and ability.

The Synod of West Virginia of the United Lutheran Church in America has made available two *Synod of West Virginia Scholarships* of \$500 each to entering freshmen who are active members of synodical congregations and who stood in the upper third of their high school class. Applications for these scholarships should be sent to the chairman of the committee which awards them: The Rev. John Heller, Chairman, Christian Education and Youth Work Committee, 834 Greenbrier Street, St. Albans, West Virginia.

*York-Shipley Scholarship* The sum of \$575 made possible by York-Shipley, Incorporated, York, Pennsylvania is awarded to an outstanding male student, preferably from York County, who plans to major in Business Administration. The criteria are academic achievement and citizenship.

The College is prepared to grant work opportunities to a limited number of deserving students. A work opportunity is a guarantee that there will be available enough work on the campus for the recipient to earn a sum equal to the amount promised. Upperclassmen seeking employment should apply to the Dean of Students. In addition, two or three students may earn substantial sums collecting and distributing room linens serviced by the Gordon-Davis Linen Supply Company.

Each year some students take part-time work in the community. The College assists some students in work placement but takes no direct responsibility in the matter.







# Academic Regulations and Honors

A COMPILATION of many of the more detailed academic rules of the College is to be found in the *Summary of Regulations* issued annually by the Dean of Students and available to all students.

## THE HONOR SYSTEM

An academic honor system was instituted at Gettysburg College in the fall of 1957. It is based upon the belief that undergraduates can be mature enough to act honorably in academic matters without faculty surveillance and that they should be encouraged to conduct themselves accordingly. At the same time the College clearly recognizes the obligation placed upon each student to assist in maintaining the atmosphere without which no honor system can succeed.

No student is admitted to Gettysburg College without first having signed a pledge promising to uphold the rules governing the honor system. Freshmen receive detailed information regarding these rules during the summer before they enroll. Needless to say, a person who would sign the pledge with mental reservation should not apply for admission.

Alleged violations of the honor code are handled by an Honor Commission elected by the students.

## REGISTRATION

No credit will be given in courses for which the student is not officially registered. The Registrar announces in advance the time and place of formal registrations. Late registrants are penalized by a fine of \$5 unless excused in advance by the Committee on Academic Standing.

## CLASS ATTENDANCE

Regular attendance at all classes for which he is registered is the responsibility of the student. Each student is accountable for all work missed

because of class absence. Instructors are under no obligation to make special arrangements for students who are absent without official excuse. When absence from class becomes a factor in a student's unsatisfactory work, the instructor reports this to the Dean of Students for remedial action. If a student incurs other absences after being warned, he may be required to withdraw from the course with a failing grade.

All students are required to attend the last meeting of each of their courses before a vacation period and the first meeting of each following a vacation period.

### ATTENDANCE AT ASSEMBLY

College assemblies are held regularly in the Student Union Building when distinguished speakers visit the campus to address the student body. These assemblies are an integral part of the academic program, and attendance at a specified number of them is required of all students.

### CREDIT FOR YEAR COURSES

No credit will be given for one semester of a year course except with the permission of the department concerned.

### TRANSFER CREDIT

No credit will be given for courses taken by regular students in other colleges during the summer unless such courses have first been approved by the head of the department concerned and by the Dean of the College or the Dean of Students. Semester hour credit may be transferred if the grade earned in such courses is a C or better, but grades themselves are never transferred.

### ACADEMIC STANDING

The Committee on Academic Standing reviews student records at the end of each semester. When a student's record is found to be unsatisfactory or when he is failing to make satisfactory progress toward graduation, he may be warned, placed on academic probation, advised to withdraw, or required to withdraw. A student on probation must show satisfactory improvement during the following semester or he may be required to withdraw.

A student with above-average aptitude who is not achieving beyond the minimum standard may be required to absent himself from the College for a semester or a year.



## REINSTATEMENT

A student required to withdraw from the College for academic reasons may be reinstated only upon petition to the Committee on Academic Standing and with the concurrence of the faculty. In making its recommendation to the faculty, the committee will be guided by the student's previous College record and by what he has done since he withdrew.

A student suspended or required to withdraw for disciplinary reasons may be reinstated only by petition to the Dean of Students.

## THE GRADING SYSTEM

The following grading system is in effect: A (excellent); B (good); C (fair); D (unsatisfactory); F (failing); I (incomplete); W (withdrew without penalty); WP (withdrew passing); and WF (withdrew failing). Instructors may modify their letter grades with plus and minus signs. These are placed on the student's permanent record and reproduced on all transcripts, but they are disregarded except in certain computations for honors.

In successfully completing a course a student also earns a number of quality points. The following quality-point system is official: A+,  $4\frac{1}{3}$ ; A, 4; A-,  $3\frac{2}{3}$ ; B+,  $3\frac{1}{3}$ ; B, 3; B-,  $2\frac{2}{3}$ ; C+,  $2\frac{1}{3}$ ; C, 2; C-,  $1\frac{2}{3}$ ; D+,  $1\frac{1}{3}$ ; D, 1; D-,  $\frac{2}{3}$ ; and F, 0. The graduation requirement that a student must have at least a C average is interpreted to mean that he must earn at least twice as many quality points as there are hours required for his graduation.

An F remains on the permanent record and is reproduced on all transcripts. No student may repeat an elective course which he has failed without the consent of the department concerned.

An I is used only when emergency situations, such as illness, prevent a student from completing the course requirements on time. An I not removed within the first six weeks of the semester following the one in which it was incurred becomes an F unless the Committee on Academic Standing extends the time limit.

A student who withdraws from a course during the first three weeks of a semester receives a W. After the first three weeks he receives a WP if he was passing the course when he withdrew, or a WF if he was failing it. A student who withdraws from a course during the last five weeks of a term will receive a WF regardless of his standing in the course at the time.

### SENIOR HONORS

The following honors are awarded at the close of each academic year to members of the graduating class:

- 1) *Valedictorian*, to the senior with the highest academic average during his last three years and who has passed the senior comprehensive examination with highest honors;
- 2) *Salutatorian*, to the senior with the second highest academic average during his last three years and who has passed the senior comprehensive examination with highest honors;
- 3) *Summa cum laude*, to those seniors who have a four-year quality point average of 3.75 or higher and who have passed the senior comprehensive examination with highest honors;
- 4) *Magna cum laude*, to those seniors who have a four-year quality point average of 3.5 or higher and who have passed the senior comprehensive examination with honor or better; and
- 5) *Cum laude*, to those seniors who have a four-year quality point average of 3.33 or higher and who have passed the senior comprehensive examination with honor or better.

These honors are intended for students with four years of residence at Gettysburg College. However, the Committee on Academic Standing may grant the honors of *summa cum laude*, *magna cum laude*, or *cum laude* to transfer students who have satisfied the conditions of the honor during at least four semesters of residence at Gettysburg College and who have presented excellent transfer grades.





In addition to the above, *Departmental Highest Honors* are awarded, upon recommendation of the major department, to those seniors who have a quality point average of 3.75 or higher in their major subject during their last three years, who have presented a satisfactory thesis or its equivalent, and who have passed the senior comprehensive examination with highest honors.

Upon recommendation of the major department, *Departmental Honors* are awarded to those seniors who have a quality point average of 3.5 or higher in their major subject during their last three years and who have passed the senior comprehensive examination with honor or better.

A transfer student with at least four semesters of residence at Gettysburg College is eligible for *Departmental Highest Honors* or *Departmental Honors* on the basis of grades attained at the College if he meets all other requirements.

## OTHER HONORS

*Highest Class Honors* are awarded at the close of each academic year to those students who have attained the grade of A in all their courses during the year. At the same time, *Class Honors* are awarded to those who have attained the grade of A in at least half of their courses during the year and who have no grades below B.

The names of those students who attain a quality point average of 3.5 or higher in any semester are placed on the *Dean's Honor List* in recognition of their academic attainments.

## PRIZES AND AWARDS

The following prizes are awarded at the close of each academic year for outstanding scholarship and achievement:

*Baum Mathematical Prize* The income from \$500, contributed by Dr. Charles Baum (1874), is given to the sophomore showing the greatest proficiency in Mathematics.

*The Charles W. Beacham Athletic Award* The Student Christian Association presents a cup in memory of Charles W. Beacham (1925), the first alumni secretary of the College. Based on Christian character, scholarship, and athletic achievement, the award is given to a senior.

*Beta Beta Beta Junior Award* The sum of \$10 is given to the junior Biology major who is an active member of Beta Beta Beta and who has shown outstanding proficiency in the biological sciences during five semesters of college work. The award is based on interest, attitude, character, and scholarship.

*Beta Beta Beta Provisional Award* The sum of \$10 is given to the Biology major who has become a provisional member of Beta Beta Beta during the year and who has shown outstanding proficiency in the biological sciences during three semesters of college work. This award is also based on interest, attitude, character, scholarship, and on the arrangement of a display.

*Clayton E. Bilheimer Award* A sum of money is awarded to the senior major in Health and Physical Education with the highest academic average.

*Chi Omega Social Science Award* The sum of \$25 is given by Chi Omega to the junior or senior girl excelling in the social sciences. The award is sponsored by the national fraternity on every campus which has an active chapter.

*The Class of 1909 Chemistry Award* The income from \$5,000, contributed by the Class of 1909 on the fiftieth anniversary of its graduation, is awarded to a sophomore Chemistry major and is to be applied to the expenses of his junior year. The conditions under which the award is given will be explained to each student majoring in Chemistry at the beginning of the sophomore year.

*Delta Gamma Alumnae Association Award* The sum of \$25 is given to the junior girl who has made the greatest contribution to the College.

*Delta Phi Alpha Prize* A valuable book on German culture is awarded to the outstanding student for the year in the German Department.

*Anthony di Palma Memorial Award* Under the auspices of the father of Anthony di Palma (1956), a medal is presented to the junior having the highest marks in History. Other things being equal, preference is given to a member of the Sigma Chi fraternity.

*The Malcolm R. Dougherty Mathematical Award* The income from \$1,000, contributed by the Columbian Cutlery Company, Reading, Pa., in memory of Malcolm R. Dougherty (1942), is awarded to a freshman showing proficiency in Mathematics and working to earn part of his college expenses.

*Margaret E. Fisher Memorial Scholarship Award* The income from \$8,600, contributed by Dr. Nelson F. Fisher (1918) in memory of his mother, is awarded

to a student who excels in one or more major sports and who achieves the highest academic average among winners of varsity letters.

*Samuel Garver Greek Prize* The income from \$500, contributed by the Rev. Austin S. Garver (1869) in memory of his father, is awarded to the student who has made the greatest progress in Greek during his freshman year.

*Samuel Garver Latin Prize* The income from \$500, contributed by the Rev. Austin S. Garver (1869) in memory of his father, is awarded to the student who has made the greatest progress in Latin during his freshman year.

*Graeff English Prize* The income from \$500, given by John E. Graeff (1843), is awarded to the senior writing the best English essay on an assigned subject.

*John Alfred Hamme Award* Two awards of \$50 each, established by John Alfred Hamme (1918), are given to the three juniors who have demonstrated in the highest degree the qualities of loyalty, kindness, courtesy, true democracy, and leadership.

*The Henry W. A. Hanson Scholarship Foundation Award* The income from \$9,000, established by the College Trustees in honor of Henry W. A. Hanson and in recognition of his leadership of and distinguished service to Gettysburg College and to the cause of education in the Lutheran Church and the nation, is awarded to a senior who plans to enter graduate school in preparation for college teaching. The student must have taken the Graduate Record Examination. If the senior chosen cannot accept, the next qualified candidate is eligible, and if no member of the senior class is chosen, a committee may select a member of a previous class.

*Hassler Latin Prize* The income from \$500, contributed by Charles W. Hassler, is awarded to the best Latin student in the junior class.

*Frank H. Kramer Award* The sum of \$25 is given by Phi Delta Theta fraternity, in honor of the Professor of Education, Emeritus, to a senior for the excellence of his work in the Department of Education.

*The Rev. George N. Lauffer (1899) and M. Naomi Lauffer (1898) Scholarship Award* The income from \$4,000 is given each year to a junior who has maintained high scholarship and evidences outstanding ability and Christian character. It is understood that the recipient will complete the senior year at Gettysburg College.

*Lutheran Brotherhood Scholarship Awards* Three awards of \$300 each, established by the Lutheran Brotherhood Life Insurance Society, are awarded to juniors who are Lutherans and who qualify by reason of religious leadership, academic ability, and other characteristics.

*Military Memorial Prize* The income from \$500, contributed by alumni and friends of the College, is awarded on an equal basis to the two students, one in Military Science and one in Air Science, who have attained the highest standing in either the first or second year of the advanced course of the Reserve Officers' Training Corps.

*Franklin Moore Award* The income from \$6,500, contributed by the friends of Mr. Moore, is given to the senior who, during his or her undergraduate years,



has shown the highest degree of good citizenship and by character, industry, enterprise, initiative, and activities has contributed the most toward campus morale and the prestige of the College.

*Muhlenberg Freshman Prize* The income from \$500, given by Dr. Frederick A. Muhlenberg (1836), is awarded to the freshman taking Greek or Latin who attains the highest general quality point average.

*William F. Muhlenberg Award* The income from \$850 is awarded to a junior on the bases of character, scholarship, and proficiency in campus activities.

*Nicholas Bible Prize* The income from \$500, contributed by the Rev. Dr. J. C. Nicholas (1894), is awarded to the senior who has done the best work in advanced courses in Biblical Literature and Religion.

*Clair B. Noerr Memorial Award* An inscribed medal, established by Constance Noerr (1958) in memory of her father, is awarded to a senior woman on the basis of proficiency in athletics, scholarship, and Christian character.

*William H. Patrick (1916) Award* The sum of \$25 is awarded to the student who has demonstrated a distinct proficiency in public speaking, in both class and public appearances.

*Pennsylvania Institute of Certified Public Accountants' Award* A book is presented to the senior student in accounting who excels academically and who, by participation in campus activities, demonstrates qualities of leadership.

*Phi Sigma Iota Prize* The sums of \$5 and \$2.50 are given to the two members presenting the best papers to the fraternity.

*Pi Delta Epsilon Award* A medal is presented to a student who has done outstanding work on the College newspaper or literary magazine or with the radio station.

*Psi Chi Award* The sum of \$25 is awarded to the senior Psychology major who, in the opinion of the department, has best shown and is most likely to continue to show promise in the field of psychological endeavor. Other things being equal, preference is given to a member of Psi Chi.

*Sceptical Chymists Prize* To encourage the presentation of meritorious talks, the sum of \$10 is awarded by the organization to the member or pledge who delivers the best talk before the Sceptical Chymists during the year.

*Stine Chemistry Prize* The income from \$1,000, contributed by Dr. Charles M. A. Stine (1901), is awarded to a senior Chemistry major on the basis of his grades in Chemistry, laboratory technique, personality, general improvement in four years, and proficiency in Chemistry at the time of selection.

*Dr. George W. Stoner Award* The income from \$10,000 is awarded to a worthy male senior accepted by a recognized medical college.

*Student Affairs Committee Award* A sum of money is awarded to a student in recognition of the quiet influence he has exerted for the improvement of the campus community.

*Weaver-Bittinger Classical Scholarship Award* Part of the income from a fund established by Rufus M. Weaver (1907) is awarded to a student who maintains



an above-average standing in Latin or Greek; German, French, Spanish, or Italian; and the sciences. This award is made under conditions specified by the donor.

*Rufus M. Weaver Mathematical Scholarship Award* Part of the income from a fund established by Rufus M. Weaver (1907) is awarded to a male student majoring in Mathematics who has maintained an above-average standing in Mathematics, a science, a foreign language, and English. This award is made under conditions specified by the donor.

*Samuel P. Weaver Scholarship Foundation Prizes* Sums of \$50 and \$25, established by Samuel P. Weaver (1904), are awarded to the two students writing the best essays on an assigned topic in the field of constitutional law and government.

*Edwin and Leander M. Zimmerman Senior Prize* The income from \$1,000 is given to the senior whose character, influence on students, and scholarship have contributed most to the welfare of the College.

Grades earned in required courses in physical education or military science are not considered in computations for honors, prizes, or awards. Transfer students are not eligible for prizes and awards.





# Courses of Instruction

COURSES NUMBERED in the 100's are planned primarily for freshmen, those in the 200's primarily for sophomores, and those in the 300's primarily for juniors and seniors. Courses in the 400's are elected normally by seniors and require individual study, research, and participation in seminars.

Odd-numbered courses are given in the first semester and even-numbered courses in the second semester. Term courses which are offered both semesters are identified in the course description. Year courses are indicated by an odd and an even number, joined together by a comma or a hyphen. Year courses in which successful completion of the first semester is a prerequisite for the second semester are indicated by a hyphen between the numbers (for example; 101-102). Year courses in which the second semester may be taken without the first are indicated by a comma (for example, 101, 102).

Unless otherwise stated in the course description, the number of hours a course meets each week is the same as the number of hours credit per semester. For example, semester courses carrying three hours credit, and similarly year courses carrying six hours credit, normally meet three hours each week.

The College reserves the right to withdraw any course for which there is insufficient enrollment. A dagger (†) after the name of a course identifies courses that will not be offered in 1962-1963, but which are listed to help the student in planning his future program. It is expected that these courses will be offered in 1963-1964.

The Dean of the College issues an annual Announcement of Courses which lists the time and place of each class. Students should consult this supplement at the time of registration.

## General Education Courses

In view of the growing complexity of our civilization and our increasing awareness of individual responsibility, it has become apparent that premature specialization and the departmental isolation of students and teachers are no longer either ethically defensible or socially practicable. An education valid for our world must find its basis in an integrated understanding of man in his essential roles: living creature in the natural universe, inheritor of a rich and significant past, participant in human institutions, and discoverer and creator of patterns and values which give meaning to human existence. Similarly, the wise choice of a vocation and adequate training in its special techniques must be based upon an inclusive knowledge of the chief fields of human endeavor and some appreciation of the special potentialities and obligations of the various callings.

In an attempt to provide such foundations for its students, the College has established the following general courses, the first two of which are required of all candidates for the Bachelor of Arts degree.

### 101-102 INTRODUCTION TO CONTEMPORARY CIVILIZATION

Messrs. Bachman, Baskerville, Bloom, Boenau, Bugbee, Coulter, Crapster, Gillespie, Johnson, Loose, May, Moore, Richardson, Schubart, Stemen, Trone, and Zagars.

A general education course introducing the student to the backgrounds of contemporary social problems through the major concepts, ideals, hopes, and motivations of Western culture since the Middle Ages. *Six hours credit*

### 201-202 LITERARY FOUNDATIONS OF WESTERN CULTURE

Mmes. Hartzell, McLennand, Stone, Taylor, and Theobald; Misses Godard and Stewart; Messers. Hammann, Harshbarger, James, Lindeman, Loose, Mason, Pickering, Shaffer, Strong, and Sundermeyer.

An introduction to the ideas and forms of Western thought, presented through reading and interpretation of selected classics: Homer through Vergil and St. Augustine through Goethe. *Six hours credit*

### 301-302 WORLD LITERATURE SINCE 1830

Mr. Sundermeyer

The forming of contemporary thought in literary masterpieces of East and West. Does not fulfill a distribution requirement. Seniors only. *Six hours credit*

### 303 THE DEVELOPMENT OF THE SCIENCES OF MAN

Mr. Darrah

The relation of the tradition of the biological sciences to the intellectual interests of contemporary man. Interpretation of the human environment, man himself considered objectively, and the human values intrinsic in science. *Three hours credit*



# Art

Professors Qually (Chairman) and Kramer  
Assistant Professor Annis



The art curriculum is designed to function as an integral part of the liberal arts program of the College. Emphasis is placed on basic courses and the interweaving of theory and practice. In addition to their value as an extension of general education, these courses also form a foundation for graduate and professional study.

The professions most commonly entered by graduates in Art are college or high school teaching, positions as curators or directors of art museums, industrial design, commercial art, and careers as professional painters, sculptors, or printmakers.

Requirements for a major include 36 semester hours, 12 of which must be in art theory and history. Students intending to major in Art should take one course in the department during the freshman year, if possible. Progress toward a major will be critically examined by the department at the end of the sophomore year. In the senior year comprehensive examinations will include a review by the art faculty of the major's studio work.

The department offers to the nonmajor a selection of studio, theory, and history courses which aim both at general appreciation and personal expression.

Any basic studio course, as well as courses in theory and history, may be selected to satisfy the College distribution requirement in Art.

## THEORY AND HISTORY OF ART

### 201, 202 INTRODUCTION TO THE VISUAL ARTS

Mr. Qually

This introduction to painting, sculpture, architecture, and related arts is not an historical survey, but a study of materials, form, purpose, meaning, and style as an expression of man in his individuality and culture. Aims to develop ability to perceive expressive forms, respond to artistic quality, and train a critical eye and an inquiring mind through illustrated lectures. Open to freshmen with permission of the department.

*Four hours credit*

### 203, 204 HISTORY OF PAINTING

A study of the development of painting from ancient to modern times in relation to the environment from which it grew. Involves a comparative appraisal

of the art of different periods. Emphasis is placed on painting as a unique human activity, with an examination of individual paintings through color slide projection.

*Four hours credit*

205, 206 HISTORY OF SCULPTURE AND ARCHITECTURE Mr. Annis

An historical survey and critical analysis of these two closely related art forms of mass, volume, and space, with major emphasis on architecture. The evolution of forms in the major historical periods is examined in terms of the changing conditions and needs of man. In architecture, special emphasis is placed on the development and character of contemporary styles and the contributions of Sullivan, Wright, Corbusier, and other significant architects. Illustrated lectures.

*Four hours credit*

207, 208 ORIENTAL ART

Mr. Kramer

Directed mainly toward Chinese art, with some attention to Japanese, Indian, and Persian art. History, tradition, and culture form the background for studying material from museums and collections.

*Two hours credit*

## STUDIO COURSES

The purpose of all studio courses is to sharpen the sense of sight; coordinate mind, hand, and eye; develop the ability to organize; and integrate the intuitive and rational into creative activity. Regular lectures accompany basic studio courses in order to combine theory with practice.

The department reserves the right to keep selected student work permanently.

221, 222 BASIC DESIGN

Mr. Qually

An introductory course requiring no previous training. Designed to develop a capacity to think visually and provide a basic discipline to free and direct the creative imagination. Assigned problems involve a variety of media and elements of visual communication: line, value, form, space, texture, and color.

*Four hours credit*

225, 226 DRAWING

Mr. Annis

Employs a variety of media and progresses from the study of simple forms to still life, figure studies, and nature. Its objective is to transform the visual world into meaningful plastic form through the acute observation of nature. For beginning students.

*Four hours credit*

227, 228 PAINTING

Mr. Qually

Major emphasis is given to the oil medium, with experience in abstract problems, still life, figure studies, and landscape. Color theory, design structure, and historical reference are stressed in accompanying lectures. This beginning course is designed to increase the student's understanding of visual form as an aesthetic unity, expression, and communication, and to develop his creative capacity.

*Six hours credit*

231, 232 PRINTMAKING

The theory and practice of printmaking encompasses etching, engraving, woodblock printing, lithography, and serigraph. Student projects are based on an interpretive approach to subject and form. Accompanying lectures survey historical forms as well as contemporary Western printmaking. *Six hours credit*

235, 236 SCULPTURE

Mr. Annis

The beginning student is acquainted with the problems of three dimensional form through the use of a variety of media and techniques. Emphasis on clay modeling and casting in both permanent and impermanent materials. Correlated lectures develop theories of mass, volume, and spatial organizations as expressed in past periods and contemporary art. *Six hours credit*

239, 240 GRAPHIC ARTS

A practical and theoretical study of the graphic arts as applied to forms of communication. A study of book illustration in all graphic media; explores the relationship between literature and the visual arts. Typography, poster design, and layout as art forms and as effective media for communication. Accompanying lectures survey the graphic arts of past and present, and point toward a critical study of the field. *Four hours credit*

301, 302 ADVANCED DRAWING

Mr. Annis

A continuation of Art 225, 226. Involves problems in composition and study of the figure. *Prerequisite:* Art 225, 226. *Four hours credit*

303, 304 ADVANCED PAINTING

Mr. Qually

Attention given to individual problems and experience in a variety of media (oil, casein, watercolor, and mixed media involving underpainting). Pictorial structure and individual expression are emphasized. *Prerequisite:* Art 227, 228. *Six hours credit*

307, 308 ADVANCED PRINTMAKING

Concentrates on one medium, selected according to the student's preference and ability. *Prerequisite:* Art 231, 232. *Six hours credit*

311, 312 ADVANCED SCULPTURE

Mr. Annis

Emphasis is placed on independent projects in various media: terra cotta, bronze and aluminum casting, welded metal sculpture, and carving in wood and stone. *Prerequisite:* Art 235, 236. *Six hours credit*

401 INDEPENDENT STUDY

Staff

Provides an opportunity for the well-qualified student to execute supervised projects in the area of his special interest. Repeated second semester.

*Hours and credit arranged*

## Biblical Literature and Religion

Professor Dunkelberger (Chairman)

Associate Professor Freed

Assistant Professors Hammann, Moore, and  
Trone

Instructors Loose, May, and Sulouff



Essential to an understanding of man is a knowledge of his beliefs and aspirations. In the West, the Hebrew-Christian tradition has been the predominant religious influence, leaving its imprint upon the events of three millennia and exerting its impact today. Central to study of the Hebrew-Christian tradition is serious investigation of the Bible both as an historical document dealing with significant events and persons and as a document of faith illustrating the great affirmations of prophets, priests, apostles, and evangelists. Complementary to study of the Bible is investigation of the development which leads to present-day Christian thought and action. Also, the contemporary world community in which we live demands an appreciation of religions that have been influential in other civilizations.

Requirements for a major include 24 semester hours with a concentration either in Biblical Literature or in Religion. Those concentrating in Biblical courses are urged to minor in Greek or Latin and may include Greek 326 as part of the hour requirements for a major. Those concentrating in Religion may include Philosophy 331. Courses 101 and 102, required of all students, are prerequisite for all other courses in the department and may be counted toward either a major or a minor. Students contemplating church vocations and pretheological students should consider at least a minor in this department.

### 101 HISTORY OF THE HEBREW PEOPLE

Staff

The general periods of Hebrew history from the age of Abraham to about 200 B.C. along with religious and literary developments are studied in the light of the most recent archaeological evidence. The history and culture of Israel is related to that of surrounding nations.

*Three hours credit*

### 102 LIFE OF CHRIST AND THE RISE OF CHRISTIANITY

Staff

Primary emphasis is given to the aspects of Jesus' life as portrayed in the synoptic gospels with attention also to the presentation in the gospel of John. The



interpretation of Christ by Paul and the spread of Christianity through the Roman world are briefly surveyed. *Three hours credit*

201 EARLY AND MEDIEVAL CHURCH HISTORY Mr. Trone

An extension of the study of Christianity beyond the Biblical limits as a continuous development from New Testament origins through the Middle Ages.

*Three hours credit*

202 REFORMATION AND MODERN CHURCH HISTORY

Mr. Dunkelberger

The study of the pluralistic development of Christianity from the formative period of the Reformation through the scholastic, enlightenment, and nineteenth century eras.

*Three hours credit*

301 THE HEBREW PROPHETS

Mr. Moore

The prophets and their times, with a view to discovering the abiding principles contained in their messages. Effort is made to relate these principles to the present social order.

*Three hours credit*

303 JUDAISM FROM 200 B.C. TO A.D. 200 (†)

Mr. Freed

Its history, institutions, groups, and teachings. Jewish literature of the period, including that of the Qumran community, is studied as the basic source of information for this period and as a primary background for study of the New Testament.

*Three hours credit*

304 HISTORY AND LITERATURE OF THE NEW TESTAMENT

Mr. Freed

An introduction to study of the problems, origins, and purposes of the writings of the New Testament with the exception of the gospels.

*Three hours credit*

306 THE GOSPEL OF JOHN (†)

Mr. Freed

Chief emphasis is given to the thought and content of the gospel itself. An effort is made to discover some of the various forms of thought background of the gospel, especially that of the Old Testament. Some study of the gospel in its relationship to the synoptic gospels and to the First Epistle of John.

*Three hours credit*

311 CONTEMPORARY RELIGIOUS THOUGHT IN THE WEST

Mr. Dunkelberger

An examination of the ideas of religious leaders of our times in the West and a consideration of major religious emphases today.

*Three hours credit*

314 DOCUMENTS OF LUTHERANISM (†)

Mr. Dunkelberger

Readings in and evaluations of documents of the Lutheran tradition from the Reformation to the contemporary period to gain a clearer perspective of the doctrinal, organizational, liturgical, and social views that have evolved. Influences of interrelations with other denominations are considered briefly.

*Three hours credit*

316 RELIGIONS OF THE WORLD

Mr. Hammann

A survey of the history and content of great religions of the world outside the Hebrew-Christian tradition with a view to better understanding of the peoples of our day. *Three hours credit*

318 THEOLOGY AND LITERATURE

Mr. Loose

A critical reading of representative theological systems to bring into focus the dominant religious ideas influencing Western culture since 1800. Literary works are subjected to analysis and theological interpretation to determine the form and content given to those religious ideas by men of letters. *Three hours credit*

## Biology

Professor Bowen (Chairman)

Associate Professors Barnes, W. Darrah,  
and Messer

Assistant Professors Beach and Logan

Instructor H. Darrah

Assistants



The courses in this department are designed to provide an understanding of the basic principles of general and comparative Biology. Emphasis is placed on the following features: the cultural values of biological science; the correlation of Biology with Sociology, Psychology, Anthropology, and Paleontology, and the integration of Biology with other areas of human knowledge and experience; biological principles in relation to human life; and fundamental training for students who plan to enter graduate schools for advanced training in biology, medicine, dentistry, nursing, forestry, laboratory technology, or other professional biological fields.

Requirements for a major include a minimum of 8 semester courses approved by the department. Students who prove their ability to do work of a high caliber are encouraged to work independently with problems in biology during their senior year.

A student in Biology who expects to do graduate work in biology or medicine is expected to complete such courses in Biology, Physics, Chemistry, Mathematics, English, and foreign languages as will satisfy the department and meet the requirements of the school of his choice.

#### 101-102 GENERAL BIOLOGY

Staff

Basic principles of structure and function in plants and in animals, including man. Three class hours and three laboratory hours. *Eight hours credit*

#### 103 GENERAL BOTANY

Mr. Darrah

An introduction to the biology of plants, presenting basic principles and emphasizing the position of plants in nature and in relation to human interests. Three class hours and three laboratory hours. *Four hours credit*

#### 104 GENERAL ZOOLOGY

Mr. Barnes

An introduction to the biology of animals, presenting basic principles and emphasizing the position of animals in nature and in relation to human interests. Three class hours and three laboratory hours. *Four hours credit*

#### 201-202 COMPARATIVE ANATOMY OF VERTEBRATES

Mr. Messer

Detailed examination of the origins, structure, and functions of the principal organs of typical fishes, amphibians, reptiles, birds, and mammals. Special attention is given to the progressive modification of organs from lower to higher vertebrates. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Eight hours credit*

#### 203 VERTEBRATE ZOOLOGY

Mr. Messer

Representative vertebrates, with special emphasis upon structure, the physiological importance of organs, and the relationships existing among the various groups of vertebrate animals. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*

#### 204 MAMMALIAN ZOOLOGY

Mr. Messer

Detailed structure of a typical mammal and an introduction to human anatomy and physiology. *Prerequisite:* Biology 203. Three class hours and three laboratory hours. *Four hours credit*

#### 301 BOTANY

Mr. Darrah

The identification and classification of lower plants; their physiology, origin, and distribution and their importance in human affairs, including biological, medical, and industrial applications. Emphasis on field work. *Prerequisite:* Biology 101-102 or 103. Three class hours and three laboratory or field hours. *Four hours credit*

#### 302 BOTANY

Mr. Darrah

The identification and classification of vascular plants; their origin, distribution, and importance in human affairs, including history, culture, and social

customs. Emphasis on field work. *Prerequisite:* Biology 101-102 or 103. Three class hours and three laboratory or field hours. *Four hours credit*

### 306 FIELD WORK IN BIOLOGY Mr. Beach

The study of the principles of systematics and ecology of plants and animals with particular emphasis on the application of these principles to field biology. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*

### 310 PREHISTORIC LIFE Mr. Darrah

An introduction to the geologic history of plants and animals from the development of life to the beginning of historic time. *Prerequisite:* Biology 101-102 or 103 and 104. *Three hours credit*

### 313 COMPARATIVE HISTOLOGY Mr. Bowen

The microscopic structure, origin, and functions of individual cells, fundamental tissues, and principal organs of the animal body; techniques of preparing materials for microscopic investigation. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

### 314 CYTOLOGY Mr. Bowen

The morphological, physical, and chemical organization of cells; functional significance of cellular structures including development, heredity, cellular activities, and the life histories of cells. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

### 321 EMBRYOLOGY Mr. Barnes

Development from the germ cells to the establishment of the principal organs of the body, including both the anatomy and physiology of development. *Prerequisite:* Biology 201-202 or 203. Two class hours and two laboratory periods. *Four hours credit*

### 323 PARASITOLOGY (†) Mr. Beach

An introduction to the general principles of parasitism with emphasis upon the evolution, taxonomy, morphology, and physiology of animal parasites. *Prerequisite:* Biology 101-102 or 104. Three class hours and three laboratory hours. *Four hours credit*

### 326 INVERTEBRATE ZOOLOGY Mr. Barnes

The anatomy, physiology, embryology, and natural history of the major groups of invertebrates and a consideration of the principles of invertebrate phylogeny. *Prerequisite:* Biology 101-102 or 104. Three class hours and three laboratory hours. *Four hours credit*

### 330 GENERAL MICROBIOLOGY Mr. Bowen

The nature and importance of microorganisms, including yeasts, molds, bacteria, and pathogenic protozoa. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*



### 333 PRINCIPLES OF HEREDITY

Mr. Beach

The fundamental principles of heredity as observed in common plants and animals, including man, and the relationships between heredity and development, physiology, and evolution. *Prerequisite:* Biology 101-102 or 103 and 104. Three class hours and three laboratory hours. *Four hours credit*

### 337 PHYSIOLOGY

Miss Logan

A study of the functions of vertebrate organ systems, with consideration of some aspects of invertebrate physiology. *Prerequisite:* Biology 201-202 or 203. Three class hours and three laboratory hours. *Four hours credit*

### 338 PHYSIOLOGY

Miss Logan

Cellular physiology: the mechanics and dynamics of the living cell. *Prerequisites:* Biology 101-102 or 103 and 104 and Chemistry 101-102 or 111-112. *Four hours credit*

### 401-402 PROBLEMS IN BIOLOGY

Staff

An introduction to special techniques and methods in biological investigation. Offered to junior and senior Biology majors with the approval of the department. Hours and credit arranged. *Maximum credit of four hours each semester*

### 405 BIOLOGICAL SEMINAR

Staff

A survey of the field of biology; the history of biology; and the use of scientific publications, including recent biological texts and current journals. Course advised for junior or senior majors. Two class hours. *Two hours credit*

## Chemistry

Professors Schildknecht (Chairman), Sloat,  
and Weiland

Assistant Professors Benson and Rowland

Instructor Geiser

Research Assistant Cohen

Assistants



The teaching, curriculum, and activities of this department aim to provide an understanding of the principles of chemistry together with their application and relationships to other fields of learning. Attention is given to reasoning from firsthand observations in demonstrations and

individual laboratory experiments, to significant recent developments in theory and methods of investigation, and to quantitative explanations of chemical phenomena.

Besides a curriculum pointing toward advanced study in chemistry, premedical training for majors in Chemistry and Biology is provided as well as elective courses for majors in other sciences and in the liberal arts. In addition to Chemistry majors who enter graduate work at outstanding universities and medical schools, other graduates go into fields such as high school teaching, dentistry, medical technology; industrial or governmental research; technical sales; and patent, intelligence, or library work in the chemical industry.

Requirements for a major in Chemistry include courses 101-102 or 111-112, 201, 202, 301-302, and 303-304. Premedical majors in Chemistry need additional courses in Biology, Physics, and languages to meet the requirements of their chosen medical schools. Majors preparing for graduate school or chemical research study Chemistry 313-314 in the senior year. Chemistry 311-312 and 401 are laboratory courses open to qualified juniors and seniors. Physics 111-112 is taken by all Chemistry majors, preferably in the sophomore year. Majors in Chemistry should fulfill their language requirements in German (with Russian as a possible alternative). Freshman majors in physical sciences who have had adequate high school chemistry are urged to join the accelerated section of General Chemistry 111-112 rather than 101-102.

The curriculum of the department is approved by the American Chemical Society. Honors-type work consisting of laboratory and library research is provided in Chemistry 401. Term papers and seminars in the junior and senior years help the student acquire facility in speaking and writing and in the use of chemical literature available in the departmental library. Experience as laboratory instructors is given with 321-322 and is also available to other selected juniors and seniors.

101-102 GENERAL CHEMISTRY      Messrs. Sloat, Benson, and Schildknecht,  
Mrs. Geiser, and Assistants

The occurrences, properties, uses, and methods of preparation of the more common elements and their compounds, and theoretical principles involved. Special emphasis is placed upon the scientific method of reasoning and the application of chemical principles through the solving of problems. Two lectures, one recitation, and three laboratory hours. *Eight hours credit*

111-112 GENERAL CHEMISTRY      Messrs. Rowland and Benson

Modern theories of atomic structure are used as the basis for developing an

intimate knowledge of fundamental laws governing chemical combinations. As a course designed primarily for science majors, much emphasis is placed upon solution of problems as a means of best understanding those principles which underlie all important branches of chemistry. Qualitative analysis comprises the second semester of laboratory work. An adequate secondary school course in chemistry is recommended for all contemplating this section of General Chemistry. Three lectures and three laboratory hours. *Eight hours credit*

#### 201 QUALITATIVE ANALYSIS

Mr. Weiland

A comprehensive study of the principles of chemical equilibria including acid-base, solubility, and complex types. The laboratory is devoted to analysis of inorganic ions on a semimicro scale. *Prerequisites:* Chemistry 101-102 or 111-112, and Mathematics 101 and 102 or 105-106. Two lectures and six laboratory hours. *Four hours credit*

#### 202 QUANTITATIVE ANALYSIS

Mr. Weiland

The course includes the theory of quantitative processes and laboratory work devoted to gravimetric, volumetric, and colorimetric procedures. *Prerequisite:* Chemistry 201. Two lectures and six laboratory hours. *Four hours credit*

#### 301-302 ORGANIC CHEMISTRY

Mr. Schildknecht

A systematic study of the compounds of the aliphatic and aromatic series with special emphasis upon relationships and synthesis of more important compounds together with the study of their properties and techniques of preparation in the laboratory. *Prerequisites:* Chemistry 101-102 or 111-112, 201, and 202. Three lectures and three laboratory hours. *Eight hours credit*

#### 303-304 PHYSICAL CHEMISTRY

Mr. Benson

Fundamental atomic and molecular theory, electron conception of valence, complex compounds, gases, solids, energetics, liquids, solutions, colloidal dispersions, electromotive force, ionic and chemical equilibria, physical properties of matter, and phase rule. Laboratory illustration of such of these principles as are of theoretical interest or of particular service in medical school or industrial practice. *Prerequisites:* Chemistry 101-102 or 111-112, Physics 111-112, and Mathematics 205-206. Three lectures and three laboratory hours. *Eight hours credit*

#### 311-312 ADVANCED ANALYTICAL CHEMISTRY

Mr. Weiland

Topics covered in theory and practice are electrolysis, potentiometry, colorimetry, spectrophotometry, and other instrumental methods. *Prerequisites:* Chemistry 101-102 or 111-112, 201, and 202. Six laboratory hours and one conference hour. *Four hours credit*

#### 313-314 ADVANCED ORGANIC CHEMISTRY

Mr. Rowland

Special topics covered include the orbital theory as applied to organic compounds, stereochemistry, reaction mechanisms, chemical kinetics, conformational analysis, and the chemistry of steroids. First-semester laboratory work deals with organic qualitative analysis, while advanced syntheses are conducted during the second semester. A seminar is given by each student during the second semester

on a topic of current interest in organic chemistry. *Prerequisite:* Chemistry 301-302. Two lectures and six laboratory hours. *Eight hours credit*

321-322 TEACHER'S COURSE

Mr. Sloat

Organization and conduct of an elementary course in chemistry. Strongly recommended for prospective teachers and graduate students. One lecture and three laboratory hours. *Four hours credit*

401 RESEARCH

Staff

Selected laboratory and literature investigations, especially in the fields of analytical chemistry, biochemistry, organic synthesis, physical chemistry, polymerization, and steroid chemistry. *Prerequisites:* Chemistry 101-102 or 111-112, 201, 202, and 301. Laboratory work and conferences. Repeated second semester.

*One to three hours credit*

## Dramatic Arts

Professor Arms

101, 102 APPRECIATION OF THE THEATER

Mr. Arms

Current plays of the English-speaking stage are discussed in detail.

*Two hours credit*

## Economics and Business Administration

Professor Stokes (Chairman)

Associate Professors Williams and Zagars

Assistant Professors Baird, Gemmill, and Hill

Instructor Krum

Assistants



Courses offered by this department are designed to provide an understanding of the principles of economic behavior. Both theoretical and applied courses meet the needs of students who intend to enter graduate and professional schools or who plan a career in business or government.



Fundamentals rather than techniques are stressed. Students may select either Economics or Business Administration as their major field. Majors in the department normally minor in one of the following allied fields: Mathematics, Political Science, Psychology, History, or Sociology. With permission of the department, a student may select another field of study for a minor.

## ECONOMICS

Requirements for a major are a minimum of 24 semester hours in Economics, including Economics 201-202, 303, 311, and 333. All majors are required to take Mathematics 352, six additional hours in Mathematics acceptable to the department, and Political Science 201; majors are advised to take Economics 251-252. History 234 and Mathematics 352 may be used in fulfilling the hour requirements for a major. To qualify for departmental honors, seniors must take Economics 401.

Economics 201-202 is required for a minor in the department and is a prerequisite for all other courses except Economics 205.

### 201-202 PRINCIPLES OF ECONOMICS

Staff

Aims to give the student a basic understanding of the operation of our economic system. Deals with topics of neoclassical and post-Keynesian economics: private enterprise, national income, employment and growth, money and banking, monetary and fiscal policy, the price system, distribution of income, and international economics. Enables students to analyze economic problems and reach well-considered judgments on public policy issues. *Six hours credit*

### 203 PRINCIPLES OF ECONOMICS

Staff

A survey of the existing and changing economic order. An analysis of basic factors of production, exchange, distribution, and consumption of wealth. Designed to meet the requirements in Economics for those who wish to be certified to teach social studies in the public schools of Pennsylvania. Not acceptable in partial fulfillment of the major or minor requirements of the department. Repeated second semester. *Three hours credit*

### 205 CULTURAL AND SOCIAL GEOGRAPHY

Mr. Hill

A systematic and regional study of the world's physical environment, with special emphasis on the effect of the distribution and development of natural resources on cultural, social, and political institutions. Designed for those who wish to be certified to teach in public schools. Repeated second semester. *Three hours credit*

### 301 LABOR ECONOMICS

Mr. Zagars

A study of the structure and activities of labor organizations. An analysis of labor and management relations from the viewpoint of the employee, the employer, and the public. *Three hours credit*

## 302 THE ECONOMICS OF TRANSPORTATION

Mr. Stokes

Deals with the various modes of transportation, their development, characteristics, operations, problems, and regulation. Attention is given rapid developments which have occurred in the fields of highway and air transport, and coordination of the different types of transport.

*Three hours credit*

## 303 MONEY AND BANKING

Mr. Stokes

Undertakes to explain the role of money and financial institutions in determination and fluctuation of price and income levels. Among the topics presented are the nature and functions of money and credit, credit instruments, monetary standards, classes and functions of commercial banks and their operations, the structure and operation of the Federal Reserve System, theories of the value of money, credit control, and monetary policy. Repeated second semester.

*Three hours credit*

## 305 PUBLIC FINANCE

Mr. Stokes

Provides a knowledge of American fiscal institutions. Deals with the numerous types of taxes employed by various levels of governments to finance their activities, the effects of these taxes, the budget, fiscal policy, and management of the public debt.

*Three hours credit*

## 306 INTERNATIONAL ECONOMICS

Mr. Zagars

A study of the basic theory and major institutions of international economic relations: international trade and finance, barriers to trade and trade agreements, foreign investment, and foreign economic policies.

*Three hours credit*

## 308 BUSINESS CYCLES AND FORECASTING

Mr. Gemmill

Examines the economic factors underlying cyclical variations in economic activity; cycle theories; behavior of selected domestic and international indicators of business fluctuations; forecasting techniques; and control of cycles. *Prerequisite: Mathematics 352.*

*Three hours credit*

## 311 INTERMEDIATE ECONOMIC ANALYSIS

Mr. Hill

Includes the theory of consumer demand and the theory of price and output under market conditions of pure competition, monopolistic competition, monopoly, and oligopoly. Factor price determination is also considered with respect to wages, interest, rent, and profits.

*Three hours credit*

## 324 THE SOVIET SYSTEM

Mr. Zagars

A comparative study and analysis of the evolution and present structure of major social, political, and economic institutions of Soviet society. Attention is given to factors explaining the survival and economic growth of the Soviet Union. Trends and prospects are discussed, particularly in relation to economic development of the United States and Western Europe.

*Three hours credit*

## 331 ECONOMIC PROBLEMS AND ANALYSIS

Mr. Williams

An analysis of current economic problems, based on selected readings which are designed to exemplify the divergent opinions possible on important and con-

troversial issues of an economic or governmental nature. Being interdisciplinary in its approach, this study utilizes the language and principles of political economy in a descriptive and analytical approach to economic problems. Designed to encourage individual thinking and a sounder understanding of problems of economics and citizenship. Repeated second semester. *Three hours credit*

333 HISTORY OF ECONOMIC THOUGHT AND ANALYSIS Mr. Zagars

An historical study and analysis of economic ideas, institutions, and policies in relation to major forms of social, political, and economic organizations since antiquity. *Three hours credit*

401 SENIOR SEMINAR Mr. Hill

Open to majors with the consent of the department. Research papers on contemporary economic problems are prepared and discussed. Repeated second semester. *Three hours credit*

## BUSINESS ADMINISTRATION

Requirements for a major in Business Administration are 30 semester hours, including Economics 201-202, 251-252, and 331 and Mathematics 352. Remaining hours may be taken in any of the courses listed below or in those listed under Economics. Mathematics 351 and 353-354 may be counted in fulfilling hour requirements for a major. All majors are also required to take Political Science 201 and six additional hours in Mathematics acceptable to the department.

251-252 ELEMENTARY ACCOUNTING Messrs. Baird and Gemmill

An introduction to principles of accounting and procedures of double entry bookkeeping as applied in accounting for single proprietorships, partnerships, and corporations. The preparation and analysis of financial statements with attention directed to managerial use of accounting data. Three class hours and two laboratory hours. *Six hours credit*

351-352 INTERMEDIATE ACCOUNTING Mr. Baird

A continued and more intensive study of principles and theories prevalent in accounting with consideration given to alternative methods of recording and presenting accounting data. Attention is directed toward acquainting the student with the predominant professional groups and their pronouncements on accounting matters. *Prerequisite:* Economics 251-252. *Six hours credit*

355 AUDITING Mr. Baird

An introduction to principles and procedures of auditing, including preparation of audit programs and working papers and the writing of reports. Some of the actual experience of conducting an audit is assimilated through completion of a practice set. *Prerequisite:* Economics 351-352. *Three hours credit*

### 356 FEDERAL TAXES

Mr. Baird

Study of federal taxes with emphasis on the accounting and managerial implications of the law. Preparation of returns and analysis of current problem materials are required. *Prerequisite:* Economics 351-352. *Three hours credit*

### 361 MARKETING PRINCIPLES AND PRACTICES

Mr. Krum

An analysis of the marketing structure underlying the sale and movement of goods from producer to final buyer, with a view to determining principles and practices conducive to more efficient marketing management. Repeated second semester. *Three hours credit*

### 363 BUSINESS LAW

Mr. Stokes

An introduction to the field of law with special emphasis on the nature of the sources of law, legal remedies, and the courts. Contracts and negotiable instruments are among areas covered. Repeated second semester. *Three hours credit*

### 365 PERSONNEL MANAGEMENT

Mr. Williams

Scientific manpower management, or personnel principles and policies. Describes the nature of management commitment and introduces the techniques and areas of responsibility that contribute to a sound personnel program. The social and economic background is introduced and considerable material concerning the union movement and its managerial implications in the collective bargaining arrangement is viewed. Additional time is spent on essential concerns of the individual student as he seeks a job, and what to expect as he works on the job. *Three hours credit*

### 366 INDUSTRIAL MANAGEMENT

Mr. Williams

Introduces the language of scientific management: its historical background, changing social responsibilities, and major functional areas of internal and external activities of the concern. Organization, financing, research, and development, as well as managerial and budgetary techniques, are introduced. Specialized language and techniques in industrial management are presented, as well as the means used to achieve communication, facilitation, and coordination within the enterprise. *Three hours credit*

### 367 CORPORATION FINANCE

Mr. Gemmill

Deals with raising and administering of funds used in the modern corporation: corporate organization, stocks and bonds, principles of long-term finance, management of working capital and income, security exchanges, corporate expansion, and failure and reorganization. *Three hours credit*

### 370 INVESTMENTS

Mr. Gemmill

Examines basic economic factors bearing upon informed investment decisions, utilizing security and market analysis. The analysis deals with the effect of general economic influences upon specific investment situations in business, institutional, and governmental securities. Open to seniors only, except by permission of the department. *Prerequisite:* Economics 367. *Three hours credit*



## Education

Professor Rosenberger (Chairman)  
Associate Professor Johnson  
Assistant Professor J. T. Held  
Mr. Terwilliger



The Education Department works cooperatively with all other departments in preparation of the prospective teacher. Each student may major in a field of his choice and, beginning in the sophomore year, pursue courses in Education. A maximum of 18 hours credit in Education may be counted toward the Bachelor of Arts degree.

The primary purposes of professional training are to give the student a thorough background in educational philosophy and theoretical concepts pertaining to the art of instruction, a thorough understanding of educational problems, and actual participation in activities of the classroom through student teaching.

### 301 EDUCATION PSYCHOLOGY                      Messrs. J. T. Held and Johnson

The development of the individual and psychological principles of learning are extensively investigated. An introduction to evaluating and reporting pupil progress. *Prerequisite:* Psychology 201. Repeated second semester.

*Three hours credit*

### 305 EDUCATIONAL PURPOSES AND METHODS                      Mr. J. T. Held

The function of schools in a democracy. Emphasis is placed on methods and techniques of the teaching-learning process and classroom management. *Prerequisite:* Psychology 201. Repeated second semester.

*Three hours credit*

309 HISTORICAL AND SOCIAL FOUNDATIONS OF EDUCATION

Mr. Rosenberger

The relationship of the education of man to the developing social patterns of Western culture as it emerged from its Greek foundations. *Prerequisite:* Psychology 201. Repeated second semester. *Three hours credit*

313 SCHOOL CURRICULA

Messrs. J. T. Held and Johnson

The philosophy, practices, and problems of elementary and secondary school curricula. The construction and revision of courses are investigated as well as the core curriculum. A general orientation to guidance and extracurricular activities. *Prerequisite:* Education 305. *Three hours credit*

317 EDUCATIONAL MEASUREMENTS (†)

The development of principles of evaluation of individual differences as related to intelligence, aptitude, scholastic achievement, and personality factors. The principles of test construction and interpretation of test data. *Prerequisites:* Education 301 and 305. *Three hours credit*

321 SCHOOL ORGANIZATION AND LAW

Mr. Rosenberger

Gives an understanding of the legal status of teachers; the relation of local, state, and national governments to the schools; and the principles of the teachers' relation to administration. *Prerequisite:* Education 301. *Three hours credit*

328 PRINCIPLES OF GUIDANCE

Mr. J. T. Held

The principles and practices of counseling and guidance. The systematic study of the individual, the theories and techniques in practice, guidance programs, and the place of guidance in the total educational program. *Prerequisites:* Education 301 and 305. *Three hours credit*

331 FOUNDATIONS OF READING INSTRUCTION

Mr. Terwilliger

An introduction to the theory and problems in reading instruction at elementary and secondary levels. The current trends relating to recognition of these problems and appropriate instructional aids. *Prerequisite:* Psychology 201. *Three hours credit*

334 PREVENTION AND CORRECTION OF READING DISABILITIES

Mr. Terwilliger

A study of the analysis and correction of reading disabilities in the elementary and secondary schools. Emphasis is placed on teacher-constructed materials, standardized tests relating to reading, and practical application of corrective techniques for specific reading disabilities. *Prerequisite:* Education 331 or permission of the instructor. *Three hours credit*

337 AUDIO-VISUAL EDUCATION

Mr. Johnson

The underlying philosophy, principles, and techniques involved in use of sensory aids. Intended to increase effectiveness of both new and experienced teachers in the use of such aids. *Prerequisite:* Education 301. Repeated second semester. *Three hours credit*

## 401 STUDENT TEACHING

Messrs. Rosenberger and J. T. Held

Student observation, participation, and teaching on the secondary school level under supervision of an experienced teacher. Group and individual conferences are held for discussion of principles and problems. A minimum of 90 hours of responsible classroom teaching is recommended. *Prerequisites:* Education 301 and 305. Repeated second semester.

*Six hours credit*

## English

Professors Geyer (Chairman) and Mason

Associate Professors Bolich, Lindeman,

Taylor, and Wolfinger

Assistant Professors Baskerville, McLennand,

Pickering, and Stewart

Instructors Godard, Harshbarger, James,

Locher, Stone, and Strong

Lecturers Hartzell and Stroup



The courses offered by the department are designed to train students to express their thoughts correctly and effectively through spoken and written language and to understand, interpret, and assimilate as fully as possible the thoughts and experiences of the great creative and imaginative minds of our English and American literature.

Through a close and vital relationship with literature of true worth the student may obtain many of the values generally associated with a liberal arts education: self-discovery, an enlargement of sympathy and understanding, greater toleration for others, and growth of the spirit and the imagination. In addition, the program in English is excellent preparation for careers in teaching, publishing, journalism, and government service and for graduate study leading to advanced degrees in English, the ministry, and library work.

The requirement for a major is a minimum of 30 semester hours of English and American literature. All majors are required to take English 211, 212 and 365, 366. In addition, 6 hours must be selected from each of

the following groups: Group I: 331, 334, 338, 362, 367; Group II: 341, 345, 348, 351; Group III: 311, 312, 321, 322, 324, 328, 372. For majors and minors who expect to teach in the public schools English 311 and 312 are required and Speech 201 is recommended. History 203, 204 and 231, 232 and Philosophy 201, 301, 302, and 303-304 are highly recommended for majors. Students planning to do graduate work in English should take French and German courses.

English 213, 214 is designed primarily for nonmajors wishing to fulfill the College literature requirement; with the approval of the department other literature courses may be selected.

## COMPOSITION AND GRAMMAR

### 101-102 ENGLISH COMPOSITION

Staff

Aims to develop the student's skill in expressing himself in clear, accurate, and thoughtful English prose. By training in principles of composition (including a brief review of the fundamentals of grammar), by careful reading of varied prose selections, and by adequate practice in writing the four forms of discourse (with emphasis on exposition), the student may gain an effective use of his language and may understand the desirability of a standard of writing fully acceptable to his literate fellow man.

*Six hours credit*

### 201 ADVANCED COMPOSITION

Mrs. McLennand and Messrs.

Locher and Pickering

From the analysis of works of nonfiction, the four types of discourse and the techniques of effective expository and argumentative discussion are examined. With these concepts and techniques, the course offers guided practice in the writing of exposition and argument. The final research paper sums up these analyses and this practice in a project of practical value to the prospective graduate or professional student, giving him the one instrument which all such studies will demand.

*Three hours credit*

### 203 JOURNALISM

Mrs. Taylor

An introduction to techniques of newspaper writing and editing, preparation of news stories and features, and news reports for radio and television. Repeated second semester.

*Two hours credit*

### 205, 206 CREATIVE WRITING

Mrs. Taylor

A workshop in the writing of short stories and verse, a study of the techniques of narrative, with an analysis of contemporary models.

*Four hours credit*

### 301 ADVANCED GRAMMAR

Mr. Mason

An analysis, both formal and functional, of the morphology and syntax of modern English. The course is designed primarily to give the student a thorough mastery of conventional grammar and of standard usage. Historical back-



ground relevant to understanding the structure of present-day English will be included. Required for all majors planning to teach in public schools.

*Three hours credit*

### 305, 306 ADVANCED CREATIVE WRITING

Mrs. Taylor

A workshop for advanced writing students. Problems and techniques of writing short stories, verse, and drama. *Prerequisite:* English 205, 206.

*Four hours credit*

## LITERATURE

### 211, 212 ENGLISH LITERATURE

Messrs. Geyer and Mason

A requirement for English majors in the sophomore year, this course is an historical survey of English literature from *Beowulf* to the twentieth century, with some attention to the social, political, and intellectual background. Selected works are studied analytically in order to develop the student's understanding and appreciation.

*Six hours credit*

### 213, 214 INTRODUCTION TO LITERATURE

Mrs. McLennand,  
Miss Stewart, and Messrs. Locher and Strong

An intensive study of the dominant literary types: short story, novel, poem, and drama. Attempts to stimulate a valid appreciation and judgment of literature through precise critical analysis of selected works truly representative of the major literary forms. With chief emphasis on American and British works, the course gives the student a foundation for deeper understanding of literary works written in his own language.

*Six hours credit*

### 311 AMERICAN POETRY

Mr. Mason

The reading of selected works ranging from Freneau to Emily Dickinson, together with relevant prose documents by some of the poets. The classroom work emphasizes oral reading, critical analysis, and the recognition of dominant Romantic elements.

*Three hours credit*

### 312 AMERICAN PROSE

Mr. Mason

The analysis of the shorter masterpieces of American prose from the Colonial writers into the middle nineteenth century, with some attention to the greater nineteenth century novels. Required readings extend from the American beginnings into the early twentieth century, but classroom discussion is not so extensive. Historical backgrounds, except as they are communicated by the works themselves, are not especially emphasized.

*Three hours credit*

### 316 ANALYSIS OF LITERARY TYPES

Mrs. McLennand

An intensive study of the dominant literary types: short story, novel, poem, and drama. Aims to provide the future teacher with the critical and analytical equipment requisite for a sound presentation of literature. Required for all majors planning to teach in secondary schools. Open only to majors.

*Three hours credit*

## 321, 322 THE ENGLISH NOVEL

Mr. Pickering

With reference to previous form and content in works of literature, English 321 examines the beginnings of the English novel in John Bunyan, late in the seventeenth century, follows the development of the novel and its audience through the end of the eighteenth century to Jane Austen. English 322 takes the novel through the nineteenth century, from Scott and the increased consciousness of man in history, through Dickens and the consciousness of man in society, to Kipling and the consciousness of man in the world. *Six hours credit*

## 324 CONTEMPORARY PROSE FICTION

Mr. Geyer

The form and content of a number of English and American novels and short stories of the twentieth century are carefully studied against the social and intellectual background. Representative works by Conrad, Joyce, Woolf, Huxley, Lawrence, Dreiser, Hemingway, Faulkner, and others are read. *Three hours credit*

## 327 BRITISH DRAMA

Mr. Wolfinger

This course represents a critical and historical survey of British drama, exclusive of Shakespeare, from the liturgical plays to the advent of the new drama in the late nineteenth century. Special attention is given to the development of significant genres and their correlation with the eras of which they were a part. *Three hours credit*

## 328 MODERN DRAMA (†)

Mr. Wolfinger

This course includes, in addition to a study of selected plays of Ibsen and an appraisal of his significance as a dramatist, an analysis of post-Ibsen movements in the drama and of relevant plays. *Three hours credit*

## 331 MEDIEVAL LITERATURE

Mr. Baskerville

Traces the development of Western literature from the Patristic age through the fourteenth century. Special attention is devoted to the continuity of the classical tradition, the development of medieval lyric, the Arthurian legend, courtly love, the Tristan and Isolde story, the Grail legend, Anglo-Saxon literature, and Piers Plowman. *Three hours credit*

## 334 RENAISSANCE LITERATURE

Mr. Baskerville

English prose and poetry of the sixteenth century. The development of prose styles through the century; only the poetry of the last quarter of the period is studied in detail. The work of Edmund Spenser is used to summarize the highest achievement in nondramatic literature. *Three hours credit*

## 338 THE SEVENTEENTH CENTURY

Mr. Mason

The time is divided equally between the poetry (other than Milton's) and the prose of the century, from Bacon to Dryden. Styles are examined, analytical categories are attempted, and prevailing ideas and interests of the age are identified and illustrated. Drama is excluded. *Three hours credit*

## 341 THE EIGHTEENTH CENTURY

Mr. Geyer

The literature of the century from Defoe to Blake, with special emphasis on satire, social criticism, neoclassicism, and the beginnings of romanticism. The drama and the novel are excluded. *Three hours credit*

## 345 THE ROMANTIC PERIOD

Mr. Geyer

A large body of poetry and selected prose written between 1790 and 1830 by Wordsworth, Coleridge, Byron, Shelley, and Keats is carefully examined. Attention is given to the historical and intellectual background. *Three hours credit*

## 348 THE VICTORIAN PERIOD

Mr. Geyer

An intensive study of the major English prose writers and poets and their reaction to the social, economic, political, and aesthetic problems of the nineteenth century. Special attention is devoted to Carlyle, Tennyson, Browning, Arnold, and the writers of the art for art's sake movement. *Three hours credit*

## 351 MODERN POETRY

Mr. Lindeman

A thorough study of a selected group of major American and British poets: E. A. Robinson, Robert Frost, Wallace Stevens, Gerard Manley Hopkins, W. B. Yeats, T. S. Eliot, and Dylan Thomas. Attention is given to the explication of individual poems and to the ways in which these poets respond to the persistent problems and themes of the contemporary intellectual climate.

*Three hours credit*

## 362 CHAUCER

Mr. Pickering

With careful scrutiny of the intellectual and physical world of the Middle Ages, the five major poems of Geoffrey Chaucer (including *Troilus and Criseyde* and *The Canterbury Tales*) are examined, marking the poet's debt to his French and Italian predecessors and contemporaries, his use of classical techniques and examples, and the final development of his original genius.

*Three hours credit*

## 365, 366 SHAKESPEARE

Mr. Wolfinger

A critical analysis of numerous plays; a study of Shakespeare's nondramatic poems, criticism, and historical and bibliographical materials. Special attention is given to the development of Shakespeare's poetic and dramatic art.

*Six hours credit*

## 367 MILTON

Mr. Mason

The major poems and a few of the early minor works are read and interpreted in the classroom, so far as time permits. A few major prose works are required reading. An attempt to interpret Milton as an expression of his age. Cross references to other literature, especially the classical background, are frequent.

*Three hours credit*

## 372 THEORIES OF LITERATURE

Mr. Lindeman

Undertakes to examine and compare the various ways in which man has regarded literary art: its sources, forms, and purposes. The history of critical theory is surveyed, from Plato and Aristotle to the present, with emphasis placed upon the modern period. Representative documents are read and discussed.

*Three hours credit*

## 401 INDEPENDENT STUDY

Staff

With the consent of the department a major may do reading or research under the supervision of a member of the staff. Repeated second semester.

*Hours and credit arranged*

## SPEECH

### 201 BASIC PUBLIC SPEAKING

Mr. Bolich

A study of the basic principles of public address: delivery, bodily action, and some attention to voice. Considerable emphasis is placed on finding and arranging, in effective outline form, worthwhile material. Repeated second semester.

*Two hours credit*

### 202 ADVANCED PUBLIC SPEAKING

Mr. Bolich

The adaptation of public address to various purposes: to inform, entertain, convince, and induce to action. A portion of the course is devoted to the study of the impromptu speech. *Prerequisite:* Speech 201.

*Two hours credit*

### 301 VOICE AND DICTION

Mr. Bolich

Proper use of the voice apparatus through drills and study in physical control, breathing, tone production, and resonance. Exercises in articulation, correct pronunciation through the use of the International Phonetic Alphabet.

*Two hours credit*

### 302 ARGUMENTATION AND DISCUSSION

Mr. Bolich

The principles of logical proof in oral discourse. A complete study of the various forms of debate. Discussion and conference leadership are considered.

*Two hours credit*

### 303 ORAL INTERPRETATION

Mr. Bolich

Study and practice in techniques of reading aloud from prose, poetry, and dramatic literature.

*Two hours credit*

### 304 RADIO SPEECH

Mr. Bolich

Radio as a means of communication and as a social agency. The principles of radio speaking and script writing. Some attention is given to television. Field trips to nearby radio and television stations are included.

*Two hours credit*

## French (See Romance Languages)

## German

Professor Sundermeyer (Chairman)

Associate Professor Ahrens

Assistant Professors Collier and Theobald

Instructors Langerhans and Riechel

Lecturer Fortenbaugh





The study of the civilization of German-speaking peoples, so important for its influence upon the United States, has been an integral part of the liberal arts program of the College since its founding. Learning to read and speak German is not regarded as an aim in itself but as a medium through which the student can gain an appreciation of the literature, art, science, and other cultural achievements of this important segment of Western culture. Immediate and practical purposes are not neglected, and the student who so desires may obtain training in the spoken and written use of the German language for use in advanced research, international trade, diplomacy, or travel, whether he plans a career in teaching, scientific research, or foreign service.

Interest in the Russian language has grown to such an extent that courses are now being offered on three levels. Russian is becoming increasingly important in a variety of fields, and its usefulness as a tool in graduate work is recognized.

In addition to library facilities at the disposal of students, a modern language laboratory supplements work of the classroom by offering further opportunity for oral-aural practice and drill.

Requirements for a major include German 211, 212, 301, 302, 341, 342, and two literature courses. The teaching minor consists of 18 hours and must include German 301, 302, 341, and 342.

German 301, 302, 321, 322, 325, 326, 329, 330, 333, 334, 349-350, 353, 354, 357, 358, and 401, 402 and Russian 301, 302 may be used in fulfilling the College literature requirement.

## LANGUAGE, LITERATURE, AND CIVILIZATION

### 101-102 ELEMENTARY GERMAN

Staff

An introduction to essentials of German grammar and reading of simple prose and poetry. The written and oral drill of the classroom is supplemented in the laboratory.

*Six hours credit*

### 201-202 INTERMEDIATE GERMAN

Staff

The grammar of the first year is reviewed and selected standard German literary texts are read. Practice in writing and speaking. *Prerequisite:* German 101-102.

*Six hours credit*

### 211, 212 HISTORY OF GERMAN CIVILIZATION

Mr. Sundermeyer

By means of lectures in English the development of German civilization is traced from its beginnings to modern times. Credit is also given in the Department of History.

*Two hours credit*

301, 302 ADVANCED COMPOSITION AND CONVERSATION

Mr. Riechel

Practice in writing and speaking German based on texts in cultural fields. *Prerequisite:* German 201-202 and permission of the instructor.

*Six hours credit*

321, 322 THE CLASSICAL FIELD

Mrs. Theobald

Representative works from the German classic writers, including Lessing, Goethe, and Schiller are read and discussed. *Prerequisite:* German 201-202.

*Six hours credit*

325, 326 THE NINETEENTH CENTURY

Mr. Ahrens

Representative works from German Romanticism, Realism, and Naturalism (Hölderlin to Hauptmann) are read and discussed. *Prerequisite:* German 201-202.

*Six hours credit*

329, 330 CONTEMPORARY LITERATURE

Mr. Sundermeyer

Selections from writers of the twentieth century are read and discussed. *Prerequisite:* German 201-202.

*Six hours credit*

333, 334 GERMAN SCIENTIFIC PROSE

Mr. Ahrens

Selections of literary merit from authors in the field of the natural sciences are studied, with special emphasis on recognition of grammar and accuracy in translation. *Prerequisite:* German 201-202.

*Six hours credit*

341, 342 COMPARATIVE PHILOLOGY

Mr. Ahrens

A general introduction to linguistic science, in which the first semester is devoted to development from Indo-European to the Germanic languages, and the second semester to development of modern standard German. *Two hours credit*

345, 346 GERMAN SCIENTIFIC PROSE (advanced)

Mr. Collier

Students, especially those majoring in the exact sciences, are trained in the reading of literature in their major fields. *Prerequisite:* a proficiency in the reading of German satisfactory to the instructor.

*Two hours credit*

349-350 GOETHE'S FAUST

Mr. Sundermeyer

Goethe's *Faust* (parts I and II) is read and studied intensively. *Prerequisite:* German 201-202 with a B average.

*Six hours credit*

353, 354 ADVANCED GERMAN READINGS

Staff

Prose, plays, and poetry from the twelfth century to the present are selected for study. *Prerequisite:* German 201-202 and permission of the instructor.

*Six hours credit*

357, 358 LUTHER

Mr. Ahrens

The study of Luther's German writings. *Prerequisite:* Six hours in German literature.

*Two hours credit*

401, 402 SEMINAR IN GERMAN LITERATURE

Mr. Sundermeyer

Designed primarily for German majors and conducted in German. Independent study, geared to the particular interest of the student. Literary criticism. *Prerequisite:* permission of the instructor. *Six hours credit*

## RUSSIAN

101-102 ELEMENTARY RUSSIAN

Mr. Collier

In the first semester emphasis is placed on pattern drill covering most of the major problems of Russian structure; pronunciation and active oral involvement on the part of the student are stressed. The second semester is a process of consolidation and deepening of work covered in the first semester. (At this level the reading of texts is introduced.) Work in the classroom is supplemented in the laboratory. *Six hours credit*

201-202 INTERMEDIATE RUSSIAN

Mr. Collier

The grammar of the first year is reviewed and selected Russian literary texts are read. Practice in writing and speaking Russian. *Prerequisite:* Russian 101-102. *Six hours credit*

301, 302 RUSSIAN LITERATURE

Mr. Collier

Representative works of the nineteenth century are read in Russian. Certain works are given special attention. A required reading list of supplementary works in English translation is an integral part of the course. *Prerequisite:* Russian 201-202. *Six hours credit*

## Greek

Professor Shaffer (Chairman)  
Assistant Professor C. R. Held



The department aims to instill in the student something of the creative spirit of the ancient Greeks through a thorough study of the language, history, literature, art, and thought of this exceptionally gifted people; to provide an historical and cultural perspective for the proper understanding of Western Civilization; to give adequate preparation for graduate study in classics and in related fields, such as archaeology, theology, and comparative literature; and to demonstrate the importance, both for the individual and for society, of sound scholarship, academic responsibility, and intellectual honesty.

Requirements for a major include 24 hours above the 101-102 course as approved by the adviser and may include Philosophy 303. Students planning to do graduate work in Greek should also take Latin courses.

Greek 312, 321, 322, 325, 326, 329, 330, 334, and 401 may be used in fulfilling the College literature requirement.

#### 101-102 ELEMENTARY GREEK

Messrs. Shaffer and C. R. Held

An introduction to the reading of ancient Greek. Attention is paid to the history of the language, the relationship between the language and the general culture of the Greeks, and the influence of Greek upon the vocabulary of English and other European languages.

*Six hours credit*

#### 201-202 INTERMEDIATE GREEK

Messrs. Shaffer and C. R. Held

Designed to increase the student's skill in reading and interpreting texts. Selections from Xenophon and Homer are read, and a systematic review of the syntax of Greek is conducted through the use of simple exercises in prose composition. *Prerequisite:* Greek 101-102.

*Six hours credit*

#### 311 GREEK LITERATURE IN ENGLISH

Mr. Shaffer

Selected masterpieces of ancient Greek literature are studied in English translations. Lectures, reports, and informal discussions, with special emphasis upon literary and historical backgrounds of the individual works studied. No historical survey of Greek literature in its entirety is attempted. Knowledge of the Greek language is not required.

*Three hours credit*

#### 312 GREEK MUSIC

Mr. Shaffer

The *Harmonics* of Aristoxenus and other writings of ancient musical theorists are studied. The remains of ancient Greek music are presented through recordings or live performance. *Prerequisites:* an elementary knowledge of music and preferably a knowledge of Greek, since some of the ancient writings on the subject are not available in translation.

*Three hours credit*

#### 315 THE ANCIENT HISTORY OF THE NEAR EAST

Mr. Shaffer

Provides a survey of the civilization of ancient southwestern Asia and Egypt; lectures, reports, and seminars are utilized. Where possible, the assistance of spe-



cialists from related departments is sought. Knowledge of Greek is not required.

*Three hours credit*

### 316 GREEK HISTORY

Mr. Shaffer

A survey of Hellenic civilization from earliest times to the Hellenistic age, with special emphasis upon the sources. The course is presented through lectures, reports, discussions, and extensive use of audio-visual materials. Knowledge of Greek is not required.

*Three hours credit*

### 321 HERODOTUS

Mr. C. R. Held

Extensive reading of the Greek text is accompanied by lectures and reports on historical and cultural backgrounds. *Prerequisites:* Greek 101-102 and 201-202.

*Three hours credit*

### 322 HOMER

Mr. C. R. Held

The *Iliad* or the *Odyssey* is read in the original Greek, with lectures and reports on the cultural backgrounds and the interpretation of Homeric literature. Some attention is given to the language and prosody of Homer. *Prerequisites:* Greek 101-102 and 201-202.

*Three hours credit*

### 325 PLATO

Mr. C. R. Held

The *Apology* and the *Crito*, with selections from other dialogues chosen primarily to give a coherent picture of Socrates. Lectures, reports, and readings in English introduce the student to a more comprehensive view of Plato's thought. *Prerequisites:* Greek 101-102 and 201-202.

*Three hours credit*

### 326 NEW TESTAMENT

Mr. Shaffer

Selections from the New Testament and other Hellenistic writings are studied, both for their language and for their content. The student is required to engage in a project designed to familiarize him with the nature of the manuscript tradition of the Greek Bible. *Prerequisite:* Greek 101-102.

*Three hours credit*

### 329 GREEK COMEDY

Mr. Shaffer

Selected plays in the original Greek and collateral readings in English. Includes lectures and reports on the nature of comedy in general and on the historical and cultural background of individual plays. *Prerequisites:* Greek 101-102 and 201-202.

*Three hours credit*

### 330 GREEK LYRIC POETRY

Mr. Shaffer

A study of the remnants of classical Greek poetry, with the exclusion of epic and drama. The artistic qualities of the poetry, the dialects in which it is written, its music and rhythms, and its incidental use as source material for the study of ancient Greek civilization. *Prerequisites:* Greek 101-102 and 201-202.

*Three hours credit*

### 333 GREEK TRAGEDY

Mr. C. R. Held

Selected plays are read with lectures, reports, and discussions of their literary, religious, and philosophical background. Attention is given also to the stage an-

tiquities and the circumstances surrounding production of Greek plays. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit*

334 GREEK ORATORY (†)

Mr. C. R. Held

Selected orations in Greek and the *Rhetoric* of Aristotle in English translation. Lectures and reports deal with the style and structure of the speeches and with their relation to the historical occasions for which they were composed. *Prerequisites:* Greek 101-102 and 201-202. *Three hours credit*

401 INDEPENDENT STUDY

Staff

Advanced students are encouraged to initiate and carry out individual projects involving some elements of original research under the guidance of the department. *Hours and credit arranged*

## Health and Physical Education

Professor Bream (Chairman)

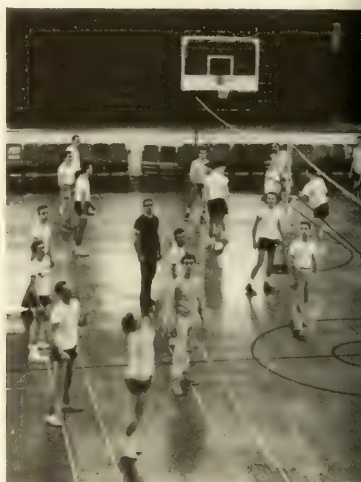
Associate Professors Haas and Kenney

Assistant Professors Carpenter, Coull, Glad,

Hulton, Hummel, Mitchell, and

Shoemaker

Instructors Biser, O'Day, and Ridinger



One of the aims of the department is to provide worthwhile physical activity and instruction in habits of living which will promote the student's physical well-being and personal enjoyment both in College and afterwards. This aim is accomplished through course work, intramural and intercollegiate athletics, and other activities.

Male students may take Courses 101, 102, 201, and 202 to satisfy the College requirement in physical education or military science. Women students may complete this requirement by taking Courses 103, 104, 203, and 204. All students enrolled in the required physical education program must pass a standard swimming test before graduation. Men students must complete satisfactorily a one semester program in physical fitness.

The department also offers an approved teacher training program for men and women.

Requirements for a major leading to the arts degree include the following courses: 101 and 102 (103 and 104 for women), 111, 201 and 202 (203 and 204 for women); 212, 301, 302, 303, 304, 305, 311, 314, 317, 318, 325, 329, and 332.

## PHYSICAL EDUCATION

101, 102, 201, 202 SKILL ACTIVITIES: MEN Staff

Participation in a variety of individual and team activities, based upon ability and progress. *Four hours credit*

103, 104, 203, 204 SKILL ACTIVITIES: WOMEN Staff

Women students have a program based on a quarter system. Elective activities and required courses for four credits will satisfy College requirements.

*Four hours credit*

301, 302 SKILL ACTIVITIES: METHODS AND MATERIALS Staff

Methods and techniques of class organization and instruction in a variety of physical education activities. For men and women. *Four hours credit*

303, 304 SKILL ACTIVITIES: METHODS AND MATERIALS Staff

Continuation of 301, 302. For men and women. *Four hours credit*

305 AQUATICS Miss Mitchell and Mr. Coull

Teaching methods and techniques in basic strokes, diving, lifesaving, and water safety. Repeated second semester. *Two hours credit*

307, 308 COACHING AND OFFICIATING Messrs. Haas and Shoemaker

Theory and practice in the fields of coaching and officiating. First semester open to men only. *Four hours credit*

## HEALTH AND PHYSICAL EDUCATION

111 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION, AND RECREATION Miss Kenney

A general survey of the fields of health education, physical education, recreation, and camping. *Three hours credit*

212 PRINCIPLES AND CURRICULUM PLANNING Mr. Hulton

An evaluation of principles and their application in planning a modern physical education program. *Three hours credit*

311 PERSONAL HEALTH

Miss Kenney and Mr. Ridinger

Practical aspects of the everyday life of the individual in respect to personal health. Special emphasis is placed upon the acquisition of desirable attitudes toward personal health.

*Three hours credit*

314 SCHOOL AND COMMUNITY HEALTH PROBLEMS

Mr. Glad

The role of official and nonofficial community organizations in the health of the individual, from the viewpoint of administration and service.

*Three hours credit*

317 ANATOMY AND PHYSIOLOGY

Mr. Glad

A theoretical and practical study of human structure and function. Analysis of the effects of health and physical education activities on the body.

*Three hours credit*

318 PHYSIOLOGY OF EXERCISE AND CORRECTIVES

Mr. Glad

A study of motion, with particular emphasis placed upon body mechanics. The remedial steps necessary to overcome specific physical handicaps.

*Three hours credit*

325 ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION,  
AND RECREATION

Mr. Haas

Legal and administrative problems, personnel relations, social interpretation, budget and finance, and plant and office management. Senior course.

*Three hours credit*

329 FIRST AID AND SAFETY EDUCATION

Mr. Biser

The official Beginners' Red Cross First Aid course, with emphasis on the practical aspects of symptom recognition and safety.

*One hour credit*

332 MEASUREMENTS AND EVALUATION IN HEALTH AND  
PHYSICAL EDUCATION

Mr. Biser

Written and practical tests in the fields of health and physical education.

*Three hours credit*

350 INTRODUCTION TO RESEARCH IN HEALTH AND  
PHYSICAL EDUCATION

Miss Kenney

Fundamental techniques in research. A survey of research completed and needed.

*Three hours credit*



# History

Professor Bloom (Chairman)  
Associate Professors Crapster and Glatfelter  
Assistant Professors Bugbee and Stemen  
Instructors Alexander and J. Bachman



The department aims to acquaint the student with the concept of history as an organized body of knowledge which is "the memory of things said and done" by men in the past. Mastery within this broad field provides an appreciation of history as literature, an understanding of our heritage, and a standard by which one may thoughtfully evaluate our own time. Through guided reading, an introduction to research, and classroom lectures and discussions, the student is encouraged to develop as a liberally educated person. The courses which the department offers help prepare the student for graduate study and for careers such as teaching, law, the ministry, public service, and business.

Requirements for a major include History 201, 202 and 231, 232 in the sophomore year, 375 in the junior year, and 401 or 402 in the senior year. French 316, German 211-212, Greek 316, and Latin 315 may be counted in fulfilling the requirements for a major. English majors and prelaw students are advised to take History 203, 204.

## 201, 202 HISTORY OF WESTERN CIVILIZATION Mr. Stemen

The first semester covers the period from the Mesopotamian civilizations to the dawn of the modern age, stressing political and institutional development. The second semester continues to the present decade, with increasing concentration of material after 1815.

*Six hours credit*

## 203, 204 HISTORY OF ENGLAND Mr. Crapster

Surveys English history from Roman times to the present, emphasizing institutional and cultural developments. Some attention is given to Ireland, Scotland, and the overseas empire. The dividing point between the courses is 1689.

*Six hours credit*

## 221, 222 HISTORY OF THE FAR EAST Mr. Stemen

A broad survey of Chinese, Japanese, and Korean history from the beginnings to the present. Emphasis on the Far Eastern response to the West and on philosophy, literature, and the arts.

*Six hours credit*

## 231, 232 HISTORY OF THE UNITED STATES

Messrs. J. Bachman and Bugbee

An introduction to advanced American history courses and a survey for non-

history majors. A study of American history from the early discoveries to the present. *Six hours credit*

### 234 AMERICAN ECONOMIC HISTORY

Mr. Bugbee

Emphasis is placed upon the economic incentives for exploration and settlement, the influence of the westward movement upon transportation, the growth of industry and labor, the Agricultural Revolution, the problems of currency and finance, and the developing relationship between government and business.

*Three hours credit*

### 311, 312 MEDIEVAL EUROPE TO 1500

Beginning with the accession of Diocletian, History 311 sketches the German, Roman, and Christian bases of medieval civilization and traces their development through the Benedictine centuries. History 312 commences with the mid-eleventh century and continues to approximately 1500. Cultural and intellectual developments are included, and some consideration is given to Eastern Europe. *Prerequisite: History 201.* *Six hours credit*

### 313 EUROPE FROM THE RENAISSANCE TO 1763

Mr. J. Bachman

Begins with the rise and spread of Renaissance culture, continues with an examination of the causes, progress, and results of the Protestant revolt, and includes the development of the Age of Science and the Enlightenment. *Prerequisite: History 201, 202.* *Three hours credit*

### 314 EUROPE IN THE FRENCH REVOLUTIONARY AND NAPOLEONIC ERAS

Mr. Crapster

Following a general survey of political, economic, social, and intellectual currents in Europe on the eve of the French Revolution, developments in France and her relations with the rest of Europe between 1789 and 1815 are studied intensively. *Prerequisite: History 202.* *Three hours credit*

### 315 EUROPE FROM 1815 TO 1919

Mr. Crapster

European history is examined in its world setting from the Congress of Vienna to the end of the First World War. Revolutionary movements and diplomatic history receive special emphasis. *Prerequisite: History 202.* *Three hours credit*

### 316 EUROPE SINCE 1919

Mr. J. Bachman

Attention is concentrated upon international problems and internal affairs of the leading states, beginning with the Treaty of Versailles. Particular notice is taken of the Nazi revolution in Germany and the origins of the Second World War, its progress, and its aftermath. *Prerequisite: History 202.* *Three hours credit*

### 321, 322 HISTORY OF RUSSIA (†)

The first semester develops the course of Russian history to the midnineteenth century, with emphasis on the period since 1600. The second semester brings the development through 1956. Considerable attention is devoted to intellectual history, foreign relations, and institutional development. *Prerequisite: History 201, 202.* *Six hours credit*

## 331 AMERICAN CONSTITUTIONAL HISTORY

Mr. Bloom

Beginning with a brief look at the European and colonial origins of American political thought and practice, consideration is given to developing political theories, judicial interpretations, and institutional forms which compose the American constitutional system today. *Prerequisite:* History 231, 232.

*Three hours credit*

## 332 DIPLOMATIC HISTORY OF THE UNITED STATES Mr. Glatfelter

A study of the conduct of American diplomacy since 1776, emphasizing the interplay between domestic and foreign policies. *Prerequisite:* History 231, 232.

*Three hours credit*

## 341 THE AMERICAN COLONIAL PERIOD

Mr. Bugbee

Commencing with the European background of the settlement of North America, stress is placed upon economic, social, and constitutional developments to 1763. Attention is given to the impact of mercantilism, European rivalries in America, and attempts to achieve intercolonial unity. *Prerequisite:* History 231.

*Three hours credit*

## 342 THE AMERICAN REVOLUTION, 1763-1789

Mr. Bugbee

The American phase of the disruption of the Old British Empire, the issues of the Confederation period, and the impetus which led to the Federal Constitution of 1787. An emphasis on political and constitutional developments. *Prerequisite:* History 231.

*Three hours credit*

## 345 CIVIL WAR AND RECONSTRUCTION

Mr. Bloom

An examination of the contrasting cultures of the antebellum North and South, the problems of territorial settlement after 1846, the failure to fix upon an acceptable compromise of sectional differences, the outbreak and progress of armed conflict, and the economic and political currents set in motion by the Civil War. The problems associated with the Reconstruction era are also studied. *Prerequisite:* History 231.

*Three hours credit*

## 349 THE UNITED STATES FROM 1899 TO 1939

Mr. Glatfelter

An intensive study of selected aspects of the period from the beginning of the century through the years of the New Deal, and including Progressivism, the First World War, and the Twenties. *Prerequisite:* History 232.

*Three hours credit*

## 350 THE UNITED STATES SINCE 1939

Mr. Bloom

The domestic and diplomatic problems of American participation in the Second World War, the demands made upon the United States as a leading power in the postwar world, and the degree to which the American people have adapted themselves to our rapidly changing times. *Prerequisite:* History 232.

*Three hours credit*

## 354 HISTORY OF PENNSYLVANIA

Mr. Glatfelter

A study of the political, economic, and cultural aspects of Pennsylvania history, including relationships with other states and the federal government. *Prerequisite:* History 231, 232.

*Three hours credit*

**375 HISTORICAL METHOD**

Mr. Glatfelter

A study of the methods employed in historical research, the development of historical writing, and some of the significant views or explanations of history.

*Three hours credit*

**401 SENIOR SEMINAR**

Staff

Open only to majors of high standing upon the invitation of the instructor. Examines related topics in history. Research papers written during the course of the seminar may be submitted in lieu of the History 402 thesis. Repeated second semester.

*Three hours credit*

**402 SENIOR RESEARCH THESIS**

Staff

Required of majors in History. Offers practice in the criticism and use of historical sources in preparation of a senior thesis. The research and writing conducted by each student is carefully supervised by a member of the staff. *Prerequisite: History 375.*

*Two hours credit*

## Latin

Professor Glenn (Chairman)

Assistant Professor C. R. Held



The main objectives of the department are to assist those who are seeking to gain a reasonable mastery of the English language and literature by helping them to lay a broad and deep foundation; to give an intimate familiarity with certain great Latin authors whose masterpieces have exercised a continuous influence on human thought for twenty centuries; to give the student such a knowledge of metrics and literary forms as will enable him to understand the artistry as well as the content of these masterpieces; to afford those who expect to devote themselves to the various forms of writing an opportunity to perfect their powers of thought and expression by exercises in translation; to introduce those



who are seeking a liberal culture to a knowledge of Roman life, religion, philosophy, art, law, and political institutions, that they may better understand the sources from which our own civilization has sprung; to help the prospective students of law, the sciences, and theology to understand the terminology of their future professions; and to equip adequately those who wish to teach Latin.

Requirements for a major include Latin 203, 204, 301-302, 312, 315, 322, 324, 325, 326, and 331; Latin 305, 321, or 401 may be substituted for Latin 322 or 331. Students planning to do graduate work in Latin should take College Greek courses.

Latin 201, 202, 203, or 204 may be used to meet the foreign language requirement above the 101-102 course. Latin 203, 204, 305, 321, 322, 324, 325, 326, 331, and 401 may be used in fulfilling the College literature requirement.

201, 202 VERGIL

Mr. Glenn

Selections from the *Aeneid*. *Prerequisite*: two years of secondary school Latin.  
*Six hours credit*

203 ROMAN PROSE AND POETRY

Mr. Glenn

Selections from Livy, Catullus, and other authors. *Prerequisite*: four years of secondary school Latin or Latin 201-202.  
*Three hours credit*

204 HORACE

Mr. Glenn

Selections from the *Odes*, *Epodes*, and *Satires*.  
*Three hours credit*

301-302 LATIN PROSE COMPOSITION

Mr. Glenn

*Two hours credit*

303, 304 WORD BUILDING (†)

Mr. Glenn

For premedical students and those of other sciences who desire to become familiar with scientific terminology: roots, prefixes, endings, and key words. The knowledge of Latin, while very useful, is not required.  
*Two hours credit*

305 OVID

Mr. C. R. Held

Selections from the *Metamorphoses*.  
*Three hours credit*

312 LATIN LITERATURE IN ENGLISH

Mr. C. R. Held

An historical and critical survey of Roman literature with a more intensive study of selected works. Attention is given to the relation of Roman literature to other literatures. A knowledge of Latin is not required.  
*Three hours credit*

315 ROMAN HISTORY AND CIVILIZATION (†)

Mr. C. R. Held

The history of the Republic and Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, and private life, and their influence on modern life. A knowledge of Latin is not a requirement.  
*Three hours credit*

321 ROMAN COMEDY

Mr. C. R. Held

Selections from Plautus and Terence. Survey of the Roman theater; origin and development of Roman drama. *Three hours credit*

322 CICERO (†)

Mr. C. R. Held

Life and literature in Cicero's time. *Three hours credit*

323 ROMAN LAW

Mr. Glenn

Development and content of Roman private law. A knowledge of Latin is not required. Alternates with Latin 325. *Two hours credit*

324 ROMAN PHILOSOPHY

Mr. Glenn

Lucretius, *On the Nature of Things*. Alternates with Latin 326. *Two hours credit*

325 MEDIEVAL LATIN (†)

Mr. Glenn

Selections representing history, anecdote, epistle, drama, essay, dialogue, novel, and epic lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth to the seventeenth centuries. Alternates with Latin 323. *Two hours credit*

326 ROMAN ELEGY (†)

Mr. Glenn

Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research. Alternates with Latin 324. *Two hours credit*

331 ST. AUGUSTINE

Mr. C. R. Held

Selections from the first nine books of the *Confessions*. An introduction to the life and thought of the greatest of the Latin Church fathers. *Three hours credit*

401 INDEPENDENT STUDY

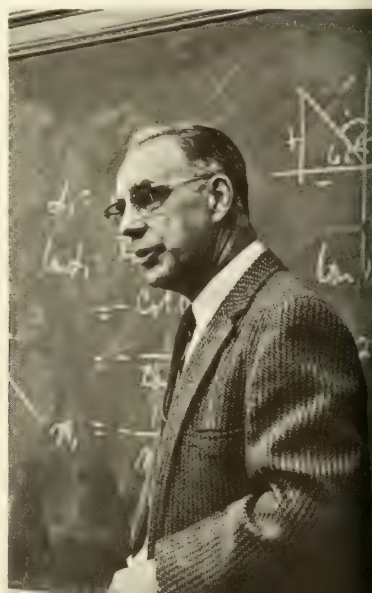
Designed for advanced majors. *Hours and credit arranged*

## Mathematics

Professor Arms (Chairman)

Associate Professors Moorhead and Ziegler

Assistant Professors Butterfield and Fryling



Courses in Mathematics comprise those covering minimum essentials in college mathematics up to and including calculus (listed as basic courses) and elective courses affording an ample choice of specialization preparatory to graduate study or other work. There are general courses for students who do not plan to use the subject in their vocation.

No one should elect Mathematics as his major subject unless he has shown considerable aptitude and skill in algebra, analytical geometry, and calculus. Requirements for a major include Mathematics 201-202 or 205-206 and remaining hours chosen from several of the elective course groups below. Students preparing for graduate study in pure Mathematics should take a course in geometry, two in algebra, and at least three in analysis. Those going into applied Mathematics should take all the analysis courses and at least one in algebra. Students preparing for work in industry or government service should take all the algebra courses and at least one of the analysis courses. For a position in finance, several of the algebra courses, Statistics, and Mathematics of Investment should be included.

Candidates for secondary school teaching positions should take courses 341-342 and 343-344 and at least one course in each of geometry, algebra, and analysis.

Courses in Financial Mathematics may be used as part of the course requirements for a major in Economics.

## BASIC COURSES

### 101 COLLEGE ALGEBRA                      Messrs. Butterfield, Moorhead, and Ziegler

Fundamental operations of algebra: linear equations, simultaneous solutions, exponents, radicals, and quadratic equations. Advanced topics include determinants, variation, the progressions, ratio and proportion, the binomial theorem, and mathematical induction. This course should be taken by any student who will need training in these topics for use in Economics, Psychology, Chemistry, Physics, and Mathematics.

*Three hours credit*

### 102 PLANE TRIGONOMETRY                      Messrs. Butterfield, Moorhead, and Ziegler

Analytical topics include the fundamental definitions, graphs, identities, and formulas needed for future work in Mathematics and training in calculation, the use of common logarithms, and the solution of right and oblique triangles. This course is needed for work in Physics, Chemistry, and Mathematics.

*Three hours credit*

### 103-104 INTRODUCTORY COLLEGE MATHEMATICS

Messrs. Butterfield and Moorhead

An introduction to the fundamental concepts of mathematics and a survey of

the new and old in the mathematical disciplines, particularly as illustrated in probability, statistics, the physical sciences, art, economics, and engineering. Emphasis is placed upon principles and ideas. *Prerequisites:* one unit of algebra and one of geometry. This course is intended for students who do not plan to take another course in basic Mathematics. *Six hours credit*

## 105-106 ELEMENTARY ANALYSIS

Messrs. Butterfield,  
Moorhead, and Ziegler

Primarily for freshmen who have had three or more entrance units in Mathematics, preferably including trigonometry. A review of advanced algebra and trigonometry, a careful study of analytical geometry, and a brief introduction to differentiation and integration. *Six hours credit*

## 201-202 ANALYTICAL GEOMETRY AND CALCULUS

Mr. Arms

Intended for freshmen who plan to major in Mathematics and the physical sciences. It enables the student to complete the requirement in basic courses by the end of his freshman year. Topics included are plotting, the straight line, functions, limits, the derivative, velocity, acceleration, maxima and minima, indefinite and definite integrals, the conic sections, polar coordinates, parametric equations, curvature, indeterminate forms, infinite series, Taylor's formula, solid analytical geometry, partial derivatives, and multiple integrals. This course is strongly recommended for freshmen of superior ability and for sophomores who have superior records in courses 101 and 102. *Eight hours credit*

## 203-204 SECONDARY ANALYSIS

Mr. Ziegler

Similar to 105-106 but the order of topics is different, and the review of algebra and trigonometry is minimized. Considerably more time devoted to elementary calculus and some work in solid analytical geometry. *Prerequisites:* Mathematics 101 and 102. *Six hours credit*

## 205-206 DIFFERENTIAL AND INTEGRAL CALCULUS

Messrs. Fryling and Moorhead

As with 201-202, completes work in the basic courses. Topics included are functions, limits, derivatives, velocity, acceleration, tangents and normals, maxima and minima, definite and indefinite integrals, indeterminate forms, infinite series, Taylor's formula, partial derivatives, and multiple integrals. This course (or 201-202) should be taken by all majors in Mathematics or in science who wish to offer Mathematics as a minor. *Prerequisite:* Mathematics 105-106 or 203-204. *Six hours credit*

## ELECTIVE COURSES

## ALGEBRA

## 301-302 MATRICES AND VECTOR SPACE

Mr. Fryling

Recommended for students planning to enter industry or government service for computer work or the like and for students of modern physics and allied sub-



jects. Matrices and their applications are emphasized with an introduction to linear algebra and quadratic forms. *Prerequisite:* Mathematics 105-106 or 203-204. *Four hours credit*

303-304 PROBABILITY Mr. Fryling

Intended to supplement 301-302. While it is not essential to take 301-302 and 303-304 simultaneously, the program should include both of these courses if the student plans to enter government service or private industry. *Prerequisite:* Mathematics 105-106 or 203-204. *Four hours credit*

305-306 THEORY OF EQUATIONS Mr. Fryling

Approximate and exact solutions, Cardan's formula, symmetric functions, and the theory of substitution groups. *Four hours credit*

307-308 MATHEMATICAL STATISTICS Mr. Fryling

Emphasizes the essential mathematical background of modern statistics. It must be distinguished from Mathematics 352. *Prerequisite:* calculus. *Six hours credit*

## GEOMETRY

One of these courses is generally offered each year. It is usually possible for the interested student to program all of these during his college course, since calculus is not a prerequisite.

311-312 COLLEGE GEOMETRY (SYNTHETIC) Mr. Moorhead

The extension of plane geometry to topics not included in the elementary course, particularly in a detailed study of the triangle. *Four hours credit*

313-314 ANALYTICAL GEOMETRY OF SPACE Mr. Moorhead

The study of the line and curve in space, relation of plane and line and the theory of quadratic surfaces. *Four hours credit*

315-316 PROJECTIVE GEOMETRY (SYNTHETIC) Mr. Moorhead

Nonmetric plane and space geometry. The theory of perspective and projective relations. *Four hours credit*

## ANALYSIS

All these courses are usually offered every year. Calculus is a prerequisite. Differential Equations is a basic course and should be taken by all Mathematics and Physics majors. Higher Calculus should be taken by students preparing for graduate school in Mathematics, Physics, or Engineering. The function-theory courses are strongly urged for students intending to do graduate work.

**321-322 DIFFERENTIAL EQUATIONS**

Mr. Arms

Methods of solving differential equations of the first order and first or higher degree linear equations with constant coefficients, the Laplace transform, solution in series, and an introduction to solution of partial differential equations, particularly by use of Fourier Series.

*Four hours credit*

**323-324 HIGHER CALCULUS**

Mr. Fryling

Includes such topics as partial differentiation, Jacobians, directional derivatives, multiple integrals, line integrals, infinite series with tests for convergence, gamma functions, and similar topics.

*Four hours credit*

**325-326 THEORY OF FUNCTIONS OF A COMPLEX VARIABLE**

Mr. Fryling

The Argand-Gauss diagram, modulus and amplitude, the elementary functions, mapping, continuity, analytic functions, the Cauchy-Integral formula, Taylor and Laurent Series, residues, Riemann surfaces, and the application of conformal mapping to boundary value problems.

*Four hours credit*

**327-328 THEORY OF FUNCTIONS OF A REAL VARIABLE**

Mr. Arms

The foundations of analysis, the Peano axioms, mathematical induction, the Dedekind theory, infinite sequences and limits, continuity of functions, the basic theory of differentiation, point set theory, Lebesgue measure, and the Riemann-Stiljes integral.

*Four hours credit*

**METHODS OF TEACHING**

These courses are primarily for students intending to teach secondary school mathematics. In some states the Methods course is required for certification.

**341-342 METHODS OF TEACHING SECONDARY MATHEMATICS**

Mr. Ziegler

The history and foundations of elementary mathematics, the secondary curriculum and its current revision. Observations in basic mathematics and practice teaching as far as possible. A complete review of the content of secondary courses.

*Four hours credit*

**343-344 READING COURSE**

Mr. Moorhead

Assignments in collateral reading with reports and discussion. Topics are chosen to meet individual aims of the student.

*Two hours credit*

**FINANCIAL MATHEMATICS**

These courses are intended for students who plan to enter industry in a financial, accounting, or managerial capacity. They can be counted toward a major in Economics. The prerequisite is Mathematics 101 or equivalent work in secondary school algebra.

### 351 MATHEMATICS OF INVESTMENT

Mr. Ziegler

Commercial and financial applications of algebra, including progressions and logarithms. Simple and compound interest, installment payments, amortization, annuities, life insurance, bond valuation, and similar topics. *Three hours credit*

### 352 ELEMENTARY STATISTICS

Messrs. Krum and Ziegler

Intended for the student who wishes to use statistics without emphasizing the mathematics approach. Use of graphic methods, the median, mode, and mean; deviations, trend, and elementary correlation theories are included. Offered each semester. *Three hours credit*

### 353-354 COST ACCOUNTING

Mr. Arms

Complete practice work in process costs, job order costs, and standard costs is included, as well as budget and estimating accounting. *Prerequisite:* elementary accounting. *Six hours credit*

## Music

Professors Wagnild (Chairman) and Shaffer  
Associate Professor Ackley  
Assistant Professors Danfelt and Peterson  
Instructors Buddé and Schwartz  
Private music teachers Golden, Mummert,  
and Springer



The department offers theoretical and practical instruction in Music with programs leading to a Bachelor of Arts degree with a major in Music or a Bachelor of Science degree with a major in Music Education. In addition, courses in music appreciation and opportunities for participation in vocal and instrumental organizations are available. Individual instruction in voice, piano, organ, and standard band and orchestral instruments is offered by appointment. An informal audition is required of all candidates majoring in Music or Music Education. Appointments for auditions should be made through the College Admissions Office.

The program leading to the Bachelor of Science degree in Music Education (see page 31) satisfies the certification requirements for teaching or supervising music in elementary and secondary schools.

Requirements for a major in Music leading to a Bachelor of Arts degree comprise a minimum of 24 hours, including Music 203-204, 301-302, 311-312, and 321-322, and other courses upon the advice of the chairman of the department.

Requirements in applied music are as follows: (1) four years' participation in an authorized group organization, and two years of private instruction in voice, piano, organ, or another instrument authorized by the department; and (2) presentation of a recital in the junior or senior year (in special cases a standard proficiency test may be substituted for a recital).

Music 101, 103, 104, 311, and 321 may be used in fulfilling the distribution requirement in Music.

#### 101 APPRECIATION OF MUSIC

Mrs. Schwartz and Messrs.  
Danfelt, Peterson, and Shaffer

The principal musical forms are discussed against the background of the other arts. Intensive listening is an essential part of the course. Repeated in second semester.

*Two hours credit*

#### 103 APPRECIATION OF THE SYMPHONY

Mrs. Schwartz and Messrs.  
Danfelt, Peterson, and Shaffer

The standard symphonic repertoire is listened to and discussed, and is related to its cultural setting.

*Two hours credit*

#### 104 APPRECIATION OF MUSIC DRAMA

Mr. Shaffer

Standard operatic works are listened to and discussed as examples of drama and music.

*Two hours credit*

#### 111-112 WOODWIND INSTRUMENT CLASS

Mr. Danfelt

Instruction in the technique of woodwind instruments, using the clarinet as the basic instrument.

*Two hours credit*

#### 113-114 BRASS INSTRUMENT AND PERCUSSION CLASS

Mr. Danfelt

Instruction in the technique of the brass instruments with trumpet or cornet as the basic instrument. Practical work is included with percussion instruments.

*Two hours credit*

#### 115-116 STRINGED INSTRUMENT CLASS

Mr. Mummert

Instruction and practice in the techniques of stringed instruments and the organization of a string section.

*Two hours credit*



141-142 SIGHT-SINGING AND DICTATION

Mrs. Schwartz

Instruction and intensive drill in singing and writing intervals, melodies, triads, and rhythmic figures. *Four hours credit*

201 ADVANCED SIGHT-SINGING AND DICTATION

Mrs. Schwartz

Instruction and drill in singing and writing the more difficult melodies, harmonic, and rhythmic figures is continued. Emphasis is given to the development of tonal memory and to aural and visual analysis of musical structures. *Two hours credit*

203-204 HARMONY

Mr. Wagnild

A study of scale and chord structure, chord relationship, nonchordal tones and simple modulation. *Six hours credit*

205-206 CHORAL AND INSTRUMENTAL CONDUCTING

Mr. Wagnild

Technique of the baton, fundamentals of choral and instrumental interpretation, problems of organization, repertoire, and maintenance of groups. *Four hours credit*

220 ELEMENTARY METHODS

Mrs. Schwartz

The methods and materials of teaching Music in the elementary grades are reviewed. Elementary music appreciation methods, discussion of the child voice, and the development of rhythm and feeling for music. *Three hours credit*

221 JUNIOR AND SENIOR HIGH SCHOOL METHODS

Mrs. Schwartz

The principles and procedures in teaching Music in the junior and senior high school. Study of the adolescent voice and its care and of the methods and materials relative to the organization of various singing and playing ensembles. The evaluation of material, methods, and techniques. *Three hours credit*

301-302 ADVANCED HARMONY

Mr. Wagnild

A comprehensive survey in which emphasis is placed on modulation and the use of chromatic alterations of diatonic chords in harmonizing melodies. An aural approach to harmonic effects is also intensively pursued. *Six hours credit*

303-304 COUNTERPOINT

Mr. Peterson

The contrapuntal technique of the sixteenth century is introduced through the study of plain song and early motets. Composition in the small forms is a part of the course. *Four hours credit*

305 ORCHESTRATION

Mr. Danfelt

Instruction is given in the transposing, arranging, and coloring for the various instruments. *Three hours credit*

311-312 HISTORY OF MUSIC

Mr. Ackley

A survey of the development of musical art from ancient to modern times. Extensive listening to and reading of illustrative material are required. *Six hours credit*

321-322 MUSICAL FORM AND ANALYSIS

Mr. Ackley

Motive, phrase, period, and song forms are studied. Binary and ternary forms of composition, the invention, fugue, sonata, and symphony are included. *Prerequisite: Music 203-204.*

*Four hours credit*

351 STUDENT TEACHING

Staff

Students are assigned to teach in public schools in cooperation with, and under the supervision of, experienced teachers. Individual conferences with the College supervisor and supervising teacher are required. Repeated in second semester.

*Twelve hours credit*

## APPLIED MUSIC

The department offers instruction in voice, piano, pipe organ, and the more common instruments. The repertoire is adapted to the student's ability. One hour credit is given for one half-hour private lesson per week per semester.

The department also sponsors various musical organizations, including the choir, band, and orchestra. All regular College students are eligible to audition for any of these, either at the beginning of the school year or other times by appointment.

One hour credit is given per semester for membership in the choir or band upon the student's completion of four hours of course instruction in the department, exclusive of applied music and music appreciation courses.

No student may offer more than eight hours of applied music toward a Bachelor of Arts degree.

121 VOICE

Miss Buddé and Mr. Ackley

Training in fundamentals of voice culture with emphasis upon breath control, resonance, tone quality, diction, pronunciation, and an appreciation of the best works of the masters. Repeated second semester. Fee for one half-hour lesson per week per semester: \$35.

*One hour credit*

123 PIANO

Mrs. Heikkinen and Mr. Springer

Instruction in the development of touch, rhythm, expression, and interpretation. Repeated second semester. Fee for one half-hour lesson per week per semester: \$35. Fee for a forty-minute lesson per week per semester: \$40.

*One hour credit*

125 PIPE ORGAN

Mrs. Heikkinen and Mr. Springer

Primary attention is directed to the acquisition of technique and independence in playing upon the manuals and pedals. *Prerequisite: satisfactory piano*

technique. Repeated second semester. Fee for one forty-minute lesson per week per semester: \$45.  
*One hour credit*

127 INSTRUMENTAL INSTRUCTION Mr. Danfelt

Instruction is available in most common band and orchestral instruments. Repeated second semester. Fee for one half-hour lesson per week per semester: \$35.  
*One hour credit*

131 CHOIR Mr. Wagnild

The best of choral literature is studied intensively. In addition to appearances in nearby cities, a two-week concert tour is taken each spring. Five rehearsals weekly.  
*One hour credit*

133 BAND Mr. Danfelt

Membership in the band, which is open to men and women, depends entirely on the individual's musical ability and interest. The band plays at athletic events and during the second semester gives concerts on the campus and in nearby cities. Three rehearsals weekly.  
*One hour credit*



## Philosophy

Professor Richardson (Chairman)  
Associate Professor Schubart  
Assistant Professor Coulter

Philosophy is the study of such questions as: What is man? What is the nature of the universe? and What is knowledge? These questions are raised by the particular intellectual disciplines: fine arts, literature, theology, natural sciences, and social sciences. Philosophy examines and relates the knowledge obtained by these particular disciplines and aims at comprehending the significance of this knowledge for answering such questions.

Courses in the department are based upon detailed and systematic study of classic and current examples of philosophical literature. Philosophical analyses are traditionally classified as metaphysics, theory of knowledge (including inductive and deductive logic), and value theory (ethics and aesthetics). These classifications provide the basis for systematic treatment of philosophical thought and its relations to the other particular disciplines.

Philosophy courses are an integral part of the liberal arts curriculum. The general student will find the stress on understanding and evaluating ideas a foundation for intelligent action both as an individual and as a citizen. The student preparing for graduate work in many of the professions will find that he has acquired the breadth of background which graduate schools regard as important. The student who wishes to pursue a more detailed and technical study of philosophy will receive necessary preparation for graduate work in this field.

Requirements for a major are 30 semester hours as chosen in consultation with the department. Except with its permission, Philosophy 201, or 301 and 302, is prerequisite for all other courses. Bible 311, Bible 316, and Greek 325 may be included in the major with the permission of the department.

## 201 INTRODUCTION TO PHILOSOPHY

Mr. Richardson

The main approaches to philosophy: scientific, aesthetic, ethical, religious, and linguistic. Their assumptions, methods, and results are analyzed with a view to giving the student both tools and motive for building his own philosophy.

*Three hours credit*

## 301-302 LOGIC

Messrs. Coulter and Schubart

The first semester deals with the principles of clarity in language and formal structure in thought, and their application. The second deals with principles involved in attaining reliable knowledge of any subject matter, with emphasis on the humanities and social sciences.

*Six hours credit*

## 303-304 HISTORY OF PHILOSOPHY

Mr. Coulter

A study of major philosophers and their writings relating primarily to metaphysics and epistemology from the early Greeks through Kant.

*Six hours credit*

## 305 HISTORY OF ETHICS

Mr. Schubart

The most significant philosophies of ethics from the Greeks to the present.

*Three hours credit*



306 PRINCIPLES OF ETHICS

Mr. Schubart

An analysis of the principles of ethics, such as value, obligation, and law, and their application to individual and social problems. *Prerequisite:* Philosophy 305. *Three hours credit*

308 AESTHETICS

Mr. Schubart

A study of various philosophies of the creation, appreciation, and evaluation of works of art. *Three hours credit*

320 NINETEENTH CENTURY PHILOSOPHY

Mr. Richardson

A study of major philosophies of the nineteenth century, especially the philosophical idealism of Kant and Hegel as a criticism of the Enlightenment and a major constructive attempt, as well as the major critics of idealism: Kierkegaard, Marx, and Nietzsche. *Three hours credit*

321 TWENTIETH CENTURY PHILOSOPHY

Mr. Schubart

An analysis of contemporary philosophies including realism, pragmatism, logical empiricism, experimental naturalism, and existentialism. The course is conducted as a seminar and offers each student opportunity to make a thorough study of one contemporary philosopher or philosophy. *Three hours credit*

331 PHILOSOPHY OF RELIGION

Mr. Richardson

An analytical and constructive study of the meanings of our present religious beliefs. *Three hours credit*

333 PHILOSOPHY OF SCIENCE

Mr. Coulter

A study of scientific knowledge: the ideals, presuppositions, methods, and values which its proponents and opponents have thought to be characteristic of it. Special emphasis will be placed upon contributions of logical analysis to the clarification or resolution of these issues. *Three hours credit*

334 PHILOSOPHY OF HISTORY

Mr. Coulter

An examination of two aspects of philosophical reflections on history: the metaphysics of history as found in such writers as Kant, Hegel, Marx, Comte, and Toynbee; and the nature of historical knowledge as compared to science, art, and other disciplines. *Three hours credit*

401 INDEPENDENT STUDY

Staff

With consent of the department, majors may take a course of directed reading under supervision of individual members of the staff. Repeated second semester. *Credit arranged*

402 SENIOR SEMINAR

Mr. Richardson

An advanced seminar for philosophy majors, in which one contemporary problem will be studied and solutions suggested from the varying points of view of major philosophical thinkers. *Three hours credit*

## Physics

Professor Mara (Chairman)

Associate Professors Daniels and Haskins

Assistant Professors T. Hendrickson and  
Scott

Lecturer Corbin



Courses in the department are designed to emphasize analytical reasoning and unifying principles of Physics as distinct from mere accumulation of facts and techniques. Nevertheless, students are required to master certain experimental techniques, understand the theory of errors, and perform accurate measurements.

The department offers many opportunities for interested students to take part in informal discussions with each other and with the staff. Students are encouraged to participate. Only by taking part can students realize that physics is an activity rather than an inert body of knowledge.

Physics majors and preengineering students normally take Physics 111-112 and Mathematics 201-202 in the freshman year. Certain of those whose mathematical preparation is incomplete may take Mathematics 105-106 in place of 201-202. Because of graduate school requirements and the wide literature of Physics in German and Russian, majors are strongly urged to fulfill their language requirement in one of these languages. Freshman Physics majors who are not prepared to enter an intermediate language course should wait until the sophomore year to begin language studies. Preengineering students must register for a language course in the freshman year.

Physics majors must complete Mathematics 321-322 and 323-324. Honor students majoring in Physics normally take the Physics Seminar 411-412 in the junior year and the Physics Seminars 421-422 and 431-432 in the senior year. Qualified students not majoring in the department are also encouraged to take these courses. Seminars usually meet for one afternoon a week, and students electing these courses should be prepared to do extensive independent reading and studying.

**101-102 GENERAL PHYSICS**

Mr. Scott

Designed for students not majoring in science or Mathematics. Aims to acquaint the student with the nature and methods of physical theory and experiment by a systematic development of the essentials of mechanics and electricity, and to provide him with an understanding of modern physics sufficient to enable him to think intelligently about the varied consequences of modern physical theory. Credit is not given for both this course and Physics 111-112. *Prerequisite:* competence in the algebra usually covered in two years of high school algebra or the permission of the instructor. Three class hours and three laboratory hours. *Eight hours credit*

**105 DESCRIPTIVE GEOMETRY**

Mr. Corbin

The use and care of instruments. Lettering. The theory of projection drawing in preparation for solving engineering problems by projection and revolution of points, lines, and planes. Required for all preengineering students. Does not count toward a major or minor in Physics. Three two-hour meetings.

*Two hours credit***106 ENGINEERING DRAWING**

Mr. Corbin

Intersections and developments. Assembly and detail drawings. Sections and dimensions. Required for all preengineering students. *Prerequisite:* Physics 105 or permission of the instructor. Does not count toward a major or minor in Physics. Three two-hour meetings.

*Two hours credit***111-112 INTRODUCTORY PHYSICS**

Messrs. Mara and Hendrickson

An introduction to the fields of mechanics, heat, electricity, magnetism, and light. The rudiments of calculus are introduced and used throughout. *Prerequisite:* Mathematics 105-106 or 201-202 (may be taken concurrently). Three class hours, one conference hour, and three laboratory hours.

*Eight hours credit***201-202 ENGINEERING MECHANICS**

Mr. Daniels

The fundamental principles of statics and dynamics with emphasis on analysis and problem solving. Required for all preengineering students. *Prerequisites:* Physics 111-112 and calculus.

*Six hours credit***205 INTRODUCTION TO MODERN PHYSICS**

Mr. Scott

A study of the experimental phenomena and their interpretation leading to modern atomic theory. Special relativity, atomic particles, photoelectric effect, x-rays, wave-particle duality, and the Bohr atom. *Prerequisites:* Physics 111-112 and calculus or the permission of the instructor. Three class hours and three laboratory hours.

*Four hours credit***304-305 ELECTRONICS**

Mr. Daniels

Analysis of direct and alternating current circuits, principles of electron tubes and semiconductor devices, circuits with tubes and transistors. *Prerequisites:* Physics 111-112 and calculus. Three class hours and three laboratory hours.

*Eight hours credit*

311-312 ELECTRICITY AND MAGNETISM Mr. Hendrickson

The theory of classical electric and magnetic static fields and electromagnetic fields. An introduction to vector calculus is given at the start of the course. *Prerequisites:* Physics 111-112 and calculus. *Six hours credit*

314 THERMODYNAMICS AND KINETIC THEORY Mr. Scott

First and second laws of thermodynamics, equations of state, state functions, Maxwell-Boltzmann distribution. *Prerequisites:* Physics 111-112, Mathematics 322 (may be taken concurrently). *Three hours credit*

316 ADVANCED PHYSICS LABORATORY Mr. Scott

Selected experiments in areas such as heat and kinetic theory of gases, physical optics, and electrical measurements. *Prerequisites:* Physics 111-112, Physics 314 (ordinarily taken concurrently). *One hour credit*

321-322 THEORETICAL PHYSICS Mr. Mara

The mathematical methods of physics: partial differential equations, special functions, calculus of variations, transforms. Intermediate mechanics: Hamilton's Principle, Lagrange equations of motion, conservation laws, rigid bodies. *Prerequisites:* Physics 111-112 and Mathematics 321-322. *Six hours credit*

331-332 MODERN PHYSICS Mr. Haskins

Special relativity, Planck's theory of black body radiation, quantum mechanics, atomic structure, quantum statistics, band theory of solids, nuclear structure, systematics of nuclear stability, nuclear models, nuclear forces, nuclear reactions, and particles. *Prerequisites:* Physics 205 and 311-312 and Mathematics 321-322. Three class hours and three laboratory hours. *Eight hours credit*

411-412 ELECTRICITY AND MAGNETISM SEMINAR Mr. Hendrickson

Covers the same fields as Physics 311-312. *Prerequisites:* Physics 111-112, calculus, and the permission of the instructor. One seminar afternoon. *Six hours credit*

421-422 THEORETICAL PHYSICS SEMINAR Mr. Mara

Covers the same fields as Physics 321-322. *Prerequisites:* Physics 111-112, Mathematics 321-322, and the permission of the instructor. One seminar afternoon. *Six hours credit*

431-432 MODERN PHYSICS SEMINAR Mr. Haskins

Covers the same fields as Physics 331-332. *Prerequisites:* Physics 205 and 311-312, Mathematics 321-322, and permission of the instructor. One seminar afternoon and one laboratory afternoon. *Eight hours credit*

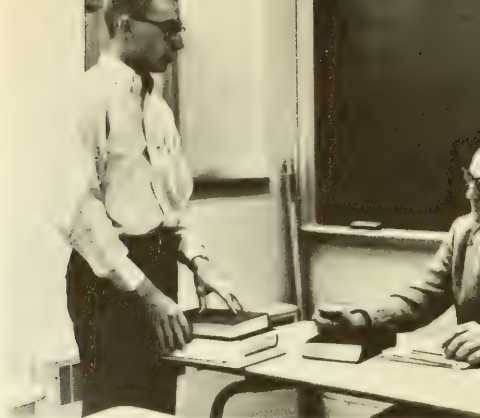
451-452 INDEPENDENT STUDY IN PHYSICS Staff

Experimental or theoretical study or research under the direct supervision of a staff member. Work is normally reported in a paper. Open to upperclass science and mathematics majors with the approval of the department. Conference hours and laboratory hours arranged, either or both semesters. *Credit hours arranged*



# Political Science

Professor Jarvis (Chairman)  
Assistant Professor Boenau  
Instructors Gillespie and Knox



Although reasonable men may differ as to the proper priority of human objectives and appropriate methods of attaining them, it is not just a coincidence that man relies heavily upon the full cooperation and active participation of government as the most appropriate means of promoting some of his most cherished ideals. A good life, a better world, social and economic reforms, and higher standards of equality and justice based on great moral principles enacted into law—these are some of the things people should expect of their government in a democracy.

Regardless of one's calling in life, some training in the responsibilities of citizenship and all that this implies is essential if democratic government is to be as effective as it needs to be to meet these expectations. For college students the need is especially urgent. Leaders in public service, both domestic and foreign, will be increasingly in demand with expanding government functions. Majors in Political Science may look forward to careers in politics or diplomacy, the teaching of social studies, or the practice of law.

Requirements for a major are a minimum of 24 semester hours of Political Science, including courses 201, 202, and either 351 or 352. Economics 201 or 203 is also required. Sociology 311 may be offered as a substitute for any course in Political Science (other than those named here) in fulfilling the hour requirements for a major.

Students needing only 3 hours credit in Political Science should take 201. Prelaw students, regardless of their major, are recommended to take course 311, 312. Juniors with satisfactory grade averages are eligible for the Washington Semester.

## 201 AMERICAN GOVERNMENT

Staff

An introduction to the study of government and politics, serving both as a basic course for more advanced study in this field and as a terminal course providing fundamental information for the student who elects it as part of a liberal arts education. Concentrates primarily on the national level of government, with attention being centered on constitutional principles and development, the demo-

cratic political process, the general nature of the three branches of government and their respective powers, and the relation of the individual citizen to his government. Repeated second semester. *Three hours credit*

## 202 AMERICAN GOVERNMENT

Staff

Attention is given to specific functions of the national government and to more specialized activities of the administrative agencies. Foreign policies and problems, domestic policies and problems relating to government's economic powers, and the promotion of welfare and protection of individual rights are considered. In addition, state and local government units are studied and analyzed.

*Three hours credit*

## 301 FOREIGN GOVERNMENTS (European)

Mr. Boenau

Analysis and comparison of the structure and operation of the governments of Great Britain, France, West Germany, and the Soviet Union, and the study of the political processes of these countries.

*Three hours credit*

## 302 FOREIGN GOVERNMENTS (Asian)

Mr. Boenau

An analysis and comparison of the structure and political processes of the principal governments of Asia. Particular attention is devoted to China, Japan, and India.

*Three hours credit*

## 303 FOREIGN GOVERNMENTS (Latin American)

Mr. Jarvis

General characteristics in the structure of governments and political practices of Latin American countries are examined and analyzed. The significance of historical, social, economic, and geographical factors, as well as the role of the army, church, and organized labor in Latin American politics are discussed. Current domestic and international trends and problems of these countries are appraised.

*Three hours credit*

## 311, 312 CONSTITUTIONAL LAW

Mr. Jarvis

The first semester deals largely with case studies of Supreme Court decisions involving the powers and limitations of the legislative, executive, and judicial branches of government at the national level. The second deals with case studies of Supreme Court decisions involving the powers of state and local governments and decisions that deal with constitutional guarantees of individual rights.

*Six hours credit*

## 316 INTERNATIONAL LAW AND ORGANIZATION (†)

Mr. Jarvis

A survey course of the international community and its organization and law. Topics included for discussion are status of members in the community; jurisdiction over land, sea, and air; jurisdiction of nationals and aliens; international agents and types of international agreements; procedures for adjusting international differences; techniques of international cooperation; and the structure and functions of the United Nations and regional organizations.

*Three hours credit*

331 POLITICAL PARTIES

Mr. Jarvis

A study of politics and politicians, party history, organization, procedures, policies, and prospects. Emphasis is placed on current party developments and trends, and attention is also given to the role of pressure groups in the political process.

*Three hours credit*

341 INTERNATIONAL RELATIONS

Mr. Knox

Emphasizing the major forces governing relations between nations, the influence of such factors as power, nationalism, imperialism, sovereignty, international law and organization, and diplomacy are dealt with. Attention is also given to current developments in regard to disarmament, American-Soviet relations, and the United Nations.

*Three hours credit*

342 AMERICAN FOREIGN POLICY

Mr. Knox

The machinery and processes involved in foreign policy determination, past and present problems of American foreign policy, and commitments in special areas. Particular attention is given to American-Soviet relations, the problems posed by underdeveloped nations, and the role of the United States in the United Nations. Problem areas studied include Europe, the Middle East, Africa, Latin America, and Asia.

*Three hours credit*

351 HISTORY OF POLITICAL THOUGHT

Mr. Boenau

A study of certain of the classics in political theory in an attempt to direct the attention of the student to fundamental questions such as the nature of political obligation and the problems of freedom and authority.

*Three hours credit*

352 MODERN POLITICAL THOUGHT

Mr. Boenau

Emphasis is placed on theoretical material which analyzes modern political society. Some attention is given to Communist theory and twentieth century totalitarianism as well as to contributions within the framework of traditional Western democracy.

*Three hours credit*

401 INDEPENDENT STUDY

Staff

Open to majors who have demonstrated competence and ability to engage in individual research; permits qualified students to do extra reading of an intensive nature, especially those who intend to continue with graduate study in the field of government or law. Arrangements should be made with the instructor for permission to enroll in this course.

*Hours and credit arranged*

402 SENIOR SEMINAR

Mr. Jarvis

Offers an opportunity to integrate subject matter taken in the department; provides training in locating and using research materials relating to this area of study; gives practice in the preparation and presentation of oral and written reports; and prepares majors for comprehensive examinations and graduate work. Arrangements should be made with the department for enrollment.

*Three hours credit*

## Psychology

Professor Smoke (Chairman)

Associate Professors Platt and Shand

Assistant Professors Frank and Mudd

Visiting Assistant Professor Wood



The objectives of the department include promoting knowledge of the basic facts and principles of human experience and behavior, with emphasis on the formation of a scientific attitude toward behavior and an appreciation of the complexity of human personality. For advanced students an attempt is made to provide a balanced program of course offerings in both theoretical and applied Psychology. Students who plan to enter graduate school for training as professional psychologists may take courses that introduce them to such areas of specialization as clinical psychology, experimental psychology, and business and industrial psychology.

The career opportunities in psychology are numerous and varied. Although college teaching and research continue to attract more well-trained psychologists than any other type of vocational endeavor, many psychologists are being employed by business and industrial organizations, public school systems, and federal, state, and local governmental agencies. The opportunities for employment are especially numerous in clinical psychology. One planning a career in any area of psychology should expect to spend at least a year in postgraduate study. This should be regarded as the barest minimum. Many of the best positions in professional psychology require three or four years of postgraduate training.

Psychology 201 is a prerequisite for all other courses in the department. Requirements for a major include Psychology 201, 231, 305, 341, and 344, and 9 additional hours approved by the department. Students looking forward to admission to graduate school will be expected to take Psychology 311, preferably in their junior year. Such students will find that the independent study required in Psychology 402 and 405 will be desirable preparation for graduate work.

### 201 GENERAL PSYCHOLOGY

Staff

An introduction to the basic facts and principles of psychology, including the study of human motivation, learning, emotion, perception, thought, intelligence, and personality. Some attention is given to the applications of psychology. Repeated second semester.

*Three hours credit*



210 BUSINESS AND INDUSTRIAL PSYCHOLOGY Mr. Mudd

The application of psychological principles and techniques to selection, placement, and training of personnel and to problems in industrial efficiency, industrial relations, and leadership. Consideration is also given to recent developments in human engineering. *Three hours credit*

214 SOCIAL PSYCHOLOGY Messrs. Mudd, Platt and Smoke

Attempts to promote the understanding of human experience and behavior in social situations. Topics considered include group dynamics, leaders and leadership, propaganda, prejudice, and the implications of psychological findings for international relations. *Three hours credit*

220 MENTAL HYGIENE Messrs. Frank and Smoke

A study of principles of personal adjustment, particularly from the viewpoints of learning and perception. These principles are related to everyday living, with emphasis on self-understanding in terms of attitudes, interests, abilities, and traits of personality. *Three hours credit*

225 CHILD AND ADOLESCENT PSYCHOLOGY Mrs. Wood

Children's behavior patterns are traced through stages of growth to maturity with consideration of personality development and character formation in home, school, church, and society. Some attention is given to problems of the exceptional child and the delinquent. Illustrative materials include visits to child care centers, research reports, case studies, and films. *Three hours credit*

231 PSYCHOLOGICAL STATISTICS Messrs. Mudd and Platt

An introduction to the descriptive and inferential statistics commonly used in Psychology. Among the topics included are measures of central tendency, variability, correlation and regression, reliability, and the testing of hypotheses. *Three hours credit*

301 HUMAN RELATIONS (†) Mr. Smoke

The results of recent research in human motivation, communication, social perception, and other topics bearing on human interaction are discussed and criticized. Directive and nondirective interviewing are considered. *Three hours credit*

305 EXPERIMENTAL PSYCHOLOGY Mr. Platt

An introduction to the scientific method and experimental design. Emphasis is placed on kinds and sources of error in experimentation, methods of control, and the design of experiments. The treatment and interpretation of experimental data are discussed. *Prerequisite: Psychology 231. Three class hours and three laboratory hours. Repeated second semester. Four hours credit*

311 PSYCHOLOGICAL TESTS AND MEASUREMENTS Mr. Mudd

Fundamental principles are studied in the development of reliable and valid tests, rating scales, questionnaires, inventories, situational tests, and other devices designed to reveal measurable characteristics of personality and behavior. Spe-

cial emphasis is placed on the critical evaluation of tests, the assumptions underlying their construction, and the role of testing as one of the basic procedures of social science. Examples of different types of tests are shown and some of the better-known interest and aptitude tests, such as the Kuder, Strong, Thurstone, Triggs, and Seashore tests are taken and scored in the laboratory sessions. Other laboratory instruction necessary for the correlation of theory and practice is given. Two class hours and two laboratory hours. *Three hours credit*

### 312 PSYCHOLOGICAL TESTS AND MEASUREMENTS

Mr. Shand

An introduction to individual and group tests of intelligence and to performance tests of personality. Opportunity is given for carrying out individual research projects involving the design and development of tests. Laboratory instruction is given in scoring the Stanford Binet Form L and the Wechsler Adult Form I. Examples of performance tests of personality are shown, and case records demonstrating various types of personality reactions are examined. Not a course in the administration of tests, but one in which emphasis is placed on the theory of tests of intelligence and personality and on the design of tests in general. *Prerequisite:* Psychology 311. Two class hours and two laboratory hours.

*Three hours credit*

### 317 PSYCHOLOGY OF LEARNING

Mr. Frank

An introductory survey of contemporary approaches to learning. In addition, recent investigations in all phases of learning are examined, including a study of factors affecting the efficiency of human learning and retention. *Prerequisite:* six hours credit in Psychology. Three class hours and three laboratory hours.

*Four hours credit*

### 321 PSYCHOLOGY OF PERSONALITY

Mr. Smoke

Emphasis is placed on the nature and organization of personality traits and tendencies and the methods that can be used in studying personality. Consideration is given to a number of theories of personality structure, including those of "depth" psychologists such as Freud, Jung, and Adler.

*Three hours credit*

### 326 ABNORMAL PSYCHOLOGY

Mr. Shand

The various types of abnormalities of personality and behavior which commonly occur in mentally handicapped, deviant, neurotic, and psychotic persons. Special attention is directed toward the role of defense mechanisms, emotional conditioning, value conflicts, and the dynamics of parent-child relations in the development of neurotic behavior. The general principles of hypnosis, psychoanalysis, client-centered counseling and other types of psychotherapy are presented. Case materials are used to demonstrate the functioning of repression, transference, and symbolic and unconscious processes. Some applications of the principles of abnormal psychology to the understanding of certain social problems are indicated. Film demonstrations of abnormal phenomena are given, and a field trip is taken to the Harrisburg State Mental Hospital. *Three hours credit*

331 INTRODUCTION TO CLINICAL PSYCHOLOGY Mr. Frank

Not a course in clinical practice, but a survey of the field of clinical psychology, its problems, methods, and areas of application. *Prerequisite:* six hours credit in Psychology. *Three hours credit*

336 PHYSIOLOGICAL PSYCHOLOGY Mr. Platt

Consideration is given to the relationship between behavior and the structure and functioning of the organism. Emphasis is placed on the neurological bases of sensation, perception, learning, and problem solving, with some attention to recent research in psychopharmacology. *Prerequisite:* six hours credit in Psychology or eight hours credit in Biology. *Three hours credit*

341 HISTORY OF PSYCHOLOGY Mr. Shand

Reviews some of the basic theories, experiments, principles, concepts, methods, and findings which have evolved and shows how they form part of the subject matter of psychology today. Gives an indication of the conflicts of views which have occurred and traces their origins in the conflicting backgrounds, interests, methods, basic assumptions, and values of those who developed them. Special attention is given to empiricism, associationism, structuralism, functionalism, behaviorism, gestalt, and psychoanalysis as schools of thought which have contributed to the formation of different theoretical points of view evident in present-day psychology. *Prerequisite:* six hours credit in Psychology. *Three hours credit*

344 ADVANCED GENERAL PSYCHOLOGY Mr. Mudd

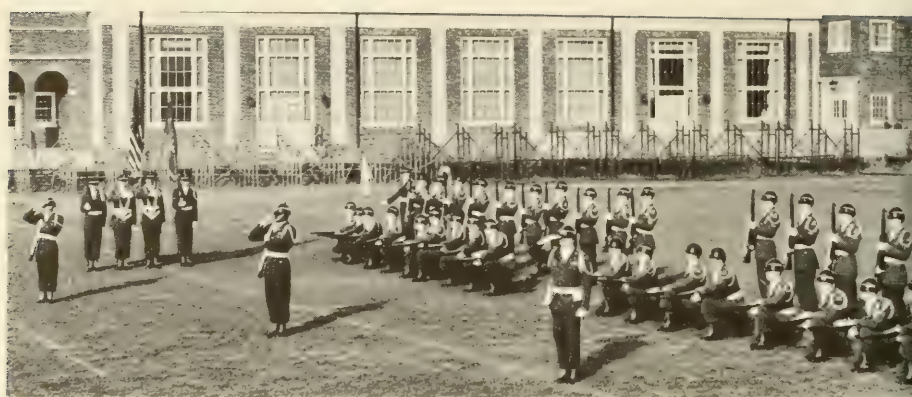
Consideration is given at an advanced level to motivation, perception, learning, and other topics introduced in general psychology. *Prerequisite:* twelve hours credit in Psychology. *Three hours credit*

402 CONTEMPORARY PSYCHOLOGICAL LITERATURE Mr. Platt

Opportunity is given the student to do intensive and critical reading on topics of special interest to himself. Readings are limited to recent professional books, journal articles, and research reports which deal with significant contemporary developments in psychology. *Three hours credit*

405 SENIOR RESEARCH Staff

In the senior research course, the student conducts an individual research project under supervision of a member of the staff. Repeated second semester. *Hours and credit arranged*



## Reserve Officers Training Corps

The Basic Course in Air Science or Military Science can be taken by male students to satisfy the College requirement in physical education or military science.

### AIR FORCE ROTC: AIR SCIENCE

Professor Storms (Chairman); Assistant Professors Paparazo, Schmidt, and Smith; Assistant Instructors Davis, Salo, and Swiger.

#### BASIC COURSE

##### 101-102 FOUNDATIONS OF AEROSPACE POWER (1)

Designed to provide the student with an understanding of the elements of aerospace power, an introduction to the mechanics of aerospace vehicles, and a survey of the composition and necessity of national security forces. Instruction includes potentials of air power, air vehicles and principles of flight, the military instruments of national security, and professional opportunities in the USAF. First semester: two periods in leadership laboratory. Second semester: four periods, two in classroom and two in leadership laboratory. *Two hours credit*

##### 201-202 FUNDAMENTALS OF AEROSPACE WEAPON SYSTEMS

A survey of aerospace missiles and craft, and their propulsion and guidance systems; target intelligence and electronic warfare; nuclear, chemical, and biological warfare; defensive, strategic, and tactical aerospace operations; problems, mechanics, and military implications of space operations; and a survey of contemporary military thought. First semester: four periods, two in classroom and two in leadership laboratory. Second semester: two periods in leadership laboratory. *Two hours credit*



## ADVANCED COURSE

### 301-302 AIR FORCE OFFICER DEVELOPMENT

An introduction to principles of leadership as they apply to Air Force problems and tasks. Involves leadership doctrine, major socio-psychological principles of leadership, a consideration of the leader-follower relationship in an Air Force environment, communication theory relevant to leadership, and an introduction to military justice. Exercises concentrate on important behavior skills basic to leadership performance with provision for practice and development of skills in a realistic problem situation. Six periods, four in classroom and two in leadership laboratory. Also four weeks of summer training at an Air Force base.

*Six hours credit*

### 311-312 GLOBAL RELATIONS

An intensive study of global relations with emphasis on international relations and world political geography. Instruction also includes weather, navigation, and briefing for commissioned service. During the first semester, cadets take Political Science 341 (International Relations) as an Air Science requirement for three hours credit. First semester: four periods, two in classroom and two in leadership laboratory. Second semester: six periods, four in classroom and two in leadership laboratory.

*Five hours credit*

## ARMY ROTC: MILITARY SCIENCE

Professor Eddy (Chairman); Assistant Professors Auer and Richardson; Assistant Instructors Davis, Hill, Koballa, Prosperi, Ridenour, and Waite.

## BASIC COURSE

### 101-102 BASIC COURSE, FRESHMAN

A general introduction to military science, including training in organization of the Army and ROTC, individual weapons and marksmanship, the U.S. Army and national security, and an elective academic subject in one of four approved areas. First semester: two periods leadership laboratory plus academic subject. Second semester: two periods leadership laboratory and two classroom periods.

*Two hours credit*

### 201-202 BASIC COURSE, SOPHOMORE

Leadership; American military history; map and aerial photograph reading; introduction to operations and basic tactics. Four periods, two in classroom and two in leadership laboratory.

*Four hours credit*

## ADVANCED COURSE

### 301-302 ADVANCED COURSE, JUNIOR

Leadership, military teaching methods, branches of the Army, tactics, communications, and leadership laboratory. Five periods, three in classroom and two in leadership laboratory.

*Five hours credit*

311-312 ADVANCED COURSE, SENIOR

Command and staff, military intelligence, training management, logistics, military law, administration, and role of the U.S. in world affairs. Five periods, three in classroom and two in leadership laboratory. *Five hours credit*

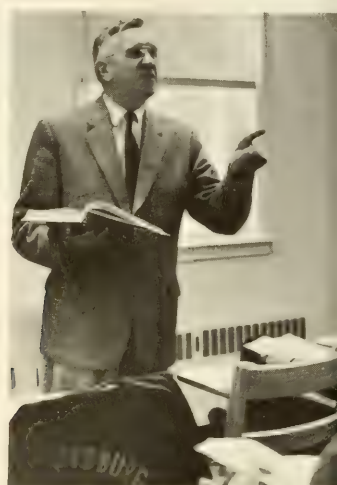
## Romance Languages

Professor A. Bachman (Chairman)

Associate Professors Barriga, Hamme,  
and Sanborn

Assistant Professors Lehnberger, Playfoot,  
and Weaner

Instructors Crook and C. Hendrickson



The chief aim of courses offered by the department is to give the student a firm command of the spoken and written foreign language. Through study of a foreign language the student finds ample opportunities to discipline his mind. The oral-aural aspect of modern language teaching has received great impetus since the establishment of language laboratories that supplement classroom instruction of the department.

Literature and civilization courses lead to cultural insights of other societies. Formation of the student's character and cultivation of a deeper understanding of what is transpiring in the world is the principal goal of all advanced courses.

Requirements for a major in French or Spanish include a minimum of 30 semester hours above the 101-102 course. Majors in French must take 301, 302 and 18 hours in literature. Requirements for a major in Spanish include courses 301, 302 and 311, 312, plus two additional literature courses. These requirements may be waived in special cases at the discretion of the department.

French 101-102 and Spanish 101-102 students must spend one hour per week in the language laboratory.

The following courses fulfill the College literature requirement: French 301, 302, 311, 312, 317, 318, 321, 322, 325, 326, 329, 330, and 333, 334; Spanish 301, 302, 311, 312, 315, 316, 321, 322, 323, 324, 327, 328, and 331, 332.

## FRENCH

101-102 ELEMENTARY FRENCH Staff  
Essentials of grammar; practice in composition, reading, and translation.  
*Six hours credit*

201, 202 INTERMEDIATE FRENCH Staff  
Grammar review and composition. Reading of selections from modern French authors. *Prerequisite:* French 101-102 or its equivalent. *Six hours credit*

301, 302 ADVANCED FRENCH COMPOSITION AND CONVERSATION Mr. A. Bachman  
Systematic study of French grammar including composition drill. Stress on free composition and oral expression. *Prerequisite:* French 201-202.  
*Six hours credit*

303 PRACTICAL PHONETICS Mr. A. Bachman  
Practice in phonetic transcription and pronunciation. Laboratory course.  
*Three hours credit*

311, 312 SURVEY COURSE IN FRENCH LITERATURE Mr. Sanborn  
A general survey of French literature from the Middle Ages to the nineteenth century. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit*

316 HISTORY OF FRENCH CIVILIZATION Mr. A. Bachman  
A survey of French history, emphasizing French contributions to political, social, and cultural movements of Europe. *Three hours credit*

317, 318 FRENCH LITERATURE OF THE SIXTEENTH CENTURY Miss Lehnberger  
A study of the Renaissance as illustrated by writings of Rabelais, Calvin, the Pléiade, and Montaigne. *Prerequisite:* French 201-202 or its equivalent.  
*Six hours credit*

321, 322 FRENCH LITERATURE OF THE SEVENTEENTH CENTURY (†) Miss Lehnberger  
French classicism as revealed in dramatic works of Corneille, Molière, and Racine. Study of representative prose writers. *Prerequisite:* French 201-202 or its equivalent. *Six hours credit*

325, 326 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY

Mr. A. Bachman

Critical study of the "*esprit philosophique*" as illustrated in writings of Montesquieu, Voltaire, Diderot, d'Alembert, Buffon, Rousseau, and others. *Prerequisite*: French 201-202 or its equivalent. Alternates with French 321-322.

*Six hours credit*

329, 330 FRENCH LITERATURE OF THE NINETEENTH CENTURY

Mr. Sanborn

Selections from poets and prose writers of the Romantic, Realistic, Naturalistic, and Symbolistic Movements. *Prerequisite*: French 201-202 or its equivalent.

*Six hours credit*

333, 334 FRENCH LITERATURE OF THE TWENTIETH CENTURY

Mr. Sanborn

The more recent literary tendencies of France, with special reference to national life and character. *Prerequisite*: French 201-202 or its equivalent.

*Six hours credit*

341 INTRODUCTION TO ROMANCE PHILOLOGY (+) Mr. A. Bachman

Morphology of French, Spanish, and possibly Italian. Emphasis on phenomena having special significance for teachers or graduate students. Recommended to majors and minors in French and Spanish.

*Three hours credit*

342 OLD FRENCH LANGUAGE AND LITERATURE (+) Mr. A. Bachman

The various *genres* of medieval French literature. *Prerequisite*: French 341. Alternates with French 316.

*Two hours credit*

343 EXPLICATION DE TEXTES (+)

Mr. A. Bachman

Designed for seniors only. Repeated second semester.

*Two hours credit*

361 METHODS OF TEACHING FRENCH (+)

Mr. A. Bachman

Lesson planning in conjunction with grammar review; discussion concerning cultural material to be used; selection of suitable texts. Open only to those students who expect to teach and have been recommended by the department chairman.

*Three hours credit*

391 THESIS IN FRENCH (+)

Staff

Conference hours as arranged. Repeated second semester.

*Two hours credit*

401 SEMINAR IN FRENCH LITERATURE AND CIVILIZATION (+) Staff

Repeated second semester.

*Hours and credit arranged*

## SPANISH

101-102 ELEMENTARY SPANISH

Staff

Fundamentals of grammar and reading.

*Six hours credit*



201, 202 INTERMEDIATE SPANISH

Staff

Review of Spanish grammar, conversation, translation, and composition. *Prerequisite*: Spanish 101-102 or its equivalent. *Six hours credit*

301, 302 ADVANCED SPANISH COMPOSITION AND CONVERSATION

Mrs. Weaner

Letter writing, short Spanish themes, advanced grammar, and conversation based on current events and life situations. *Prerequisite*: Spanish 201-202 or its equivalent. *Six hours credit*

311, 312 SURVEY COURSE IN SPANISH LITERATURE Miss Cameron

The development of the Spanish *generos literarios* to the present day. Geographical and historical background. *Prerequisite*: Spanish 201-202. *Six hours credit*

315, 316 SPANISH-AMERICAN LITERATURE

Mr. Barriga

A survey course with emphasis on poetry and the novel. *Prerequisite*: Spanish 201-202. *Six hours credit*

321, 322 NOVELA DEL SIGLO DE ORO (†)

Mr. Hamme

*La novela picaresca* and *Don Quijote*.

*Six hours credit*

323, 324 TEATRO DEL SIGLO DE ORO

Mr. Hamme

Lope de Vega and other dramatists of the Siglo de Oro.

*Six hours credit*

327, 328 NINETEENTH CENTURY SPANISH NOVEL AND

DRAMA (†)

Miss Cameron

The *costumbrista* movement. The neoclassic, romantic, and postromantic Spanish drama. *Prerequisite*: Spanish 201-202 or its equivalent. *Six hours credit*

331, 332 TWENTIETH CENTURY SPANISH LITERATURE

Mrs. Weaner

Reading and study of outstanding novels and dramas of the twentieth century, beginning with the generation of 1898. *Prerequisite*: Spanish 201-202 or its equivalent. *Six hours credit*

361 METHODS AND TECHNIQUE OF TEACHING SPANISH (†)

Mr. Hamme

Technique, lesson planning, selection of textbooks, remedial teaching. Lectures, reports, and classroom practice. For teaching majors. *Three hours credit*

391 THESIS IN SPANISH (†)

Staff

Research and outlining. Individual conferences. Repeated second semester.

*Two hours credit*

401 SEMINAR IN SPANISH LITERATURE AND CIVILIZATION (†) Staff

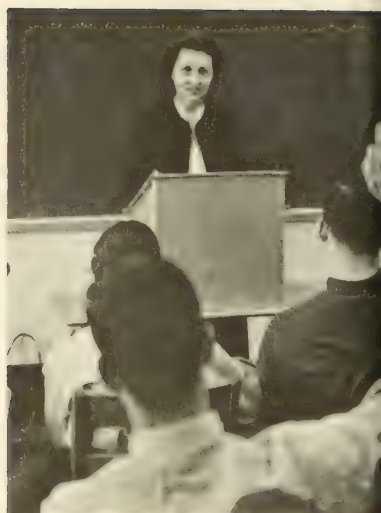
Repeated second semester.

*Hours and credit arranged*

## Russian (See German)

## Sociology and Anthropology

Professor Bloss (Chairman)  
Visiting Professor Albig  
Assistant Professor Sheaffer  
Instructor Hamell



Sociology is a synthesizing and generalizing science of man in all his social relationships. As society becomes more complex, the knowledge acquired from Sociology becomes more essential as a basis for social policy. Sociology also provides the student with knowledge about the self in relation to others and to society.

Sociology 201 is a prerequisite for all other courses in the department with the following exceptions. Sociology 204 may be taken without Sociology 201, and senior majors in Political Science, Economics, and Psychology are admitted to Sociology 311 without the prerequisite of Sociology 201. Requirements for a major include Sociology 201, 204, 331, 334, 401, and 9 additional hours in Sociology as approved by the department.

### 201 PRINCIPLES OF SOCIOLOGY

Miss Bloss and Mr. Sheaffer

Surveys basic forms of human association and interaction. Includes discussion of sociological theory and method, culture and personality, human ecology and population, and social organization and disorganization. Social institutions and processes are analyzed and related to the current national and world scene. Repeated second semester.

*Three hours credit*

204 INTRODUCTION TO GENERAL ANTHROPOLOGY

Mr. Hamell

A survey of the development of the discipline and of its principal findings in the fields of human paleontology, prehistory, physical, social, and cultural anthropology.

*Three hours credit*

301 CULTURAL DYNAMICS

Mr. Hamell

Analysis of the processes of change as they are manifested in stable societies and cultures and in those undergoing rapid transformation. Problems of acculturation.

*Three hours credit*

304 AMERICAN SOCIETY: URBAN AND RURAL PATTERNS

Mr. Sheaffer

Historic development of the modern urban community. Problems arising from urbanization and industrialization of society are analyzed.

*Three hours credit*

305 THE FAMILY

Miss Bloss

An examination of some of the social, psychological, and economic problems of the American family. Traces the shifting roles of family members today against the background of family life in other cultures and our recent history.

*Three hours credit*

308 INDUSTRIAL SOCIOLOGY (†)

Analyzes social relations existing between management and labor in modern large-scale industry both within the plant and in industry as a whole, the reactions of workers to their situations, and the part played by industrial leadership in the community at large. The forces that strive for perpetuation of old industrial roles and those making for changes are distinguished.

*Three hours credit*

309 DYNAMICS OF SMALL GROUPS

Mr. Sheaffer

The small group of two to twelve persons is considered as the fundamental social unit. Sociological theories and investigations of leadership, division of function, communication, and the web of interpersonal relations and controls in the small group are examined.

*Three hours credit*

311 PUBLIC OPINION

Mr. Albig

The nature and development of public opinion as related to cultural and psychological processes. A critical review of methods of opinion measurement and polling. Opinion changes are related to the rise of interest groups, publicity, and propaganda. Special attention is given to the various media of mass communication.

*Three hours credit*

312 SOCIAL CONTROL

Mr. Albig

The methods and techniques of social control of individuals by groups, from the use of physical coercion, punishment and reward, ceremonies and rituals, to innovations in methods of social control resulting from development of new mass media of communication in the twentieth century.

*Three hours credit*

315 **CRIMINOLOGY**

Miss Bloss

Analyzes the social, cultural, and psychological factors involved in development of the criminal. Our present system of criminal justice is evaluated. Objectives of an effective correctional system are emphasized. *Three hours credit*

318 **MINORITY GROUPS**

Mr. Hamell

Ethnic minorities (national, "racial," and religious) in complex societies. Separation, integration, and assimilation seen as processes in acculturative situations. Examples drawn from major world areas, with emphasis on the American scene. *Three hours credit*

321 **SOCIAL LEGISLATION**

Miss Bloss

Examines the changing philosophy of government in striving to meet the needs of modern industrial civilization. Special attention is given to present-day social welfare policies and programs. *Three hours credit*

326 **INTRODUCTION TO SOCIAL WORK**

Miss Bloss

The development of social work philosophy and practice from its beginnings to the present day with special attention given to its place in modern American society. Basic principles of social work are noted and studied in relation to their operation in case work, group work, and community organizations. *Three hours credit*

327 **PEOPLES AND CULTURES OF THE PACIFIC**

Mr. Hamell

Culture history and ethnographic survey of Polynesia, Micronesia, Melanesia, and Indonesia. *Prerequisite: Sociology 204. Three hours credit*

328 **WORLD CULTURES**

Mr. Hamell

A selective survey of peoples and cultures representing different degrees of societal complexity and various culture areas and natural environments. *Prerequisite: Sociology 204. Three hours credit*

331 **SOCIAL THEORY**

Mr. Sheaffer

Important schools of contemporary sociological theory are reviewed. Structural-functional theory, formal sociology, human ecology, neopositivism, historical sociology, microsociology, and neoevolutionism are analyzed and identified with leading European and American sociologists. *Three hours credit*

334 **METHODS OF SOCIAL RESEARCH**

Mr. Sheaffer

The interview, schedule, participant and nonparticipant observer techniques, statistics, and other devices are discussed as tools in systematic observation of social behavior. Planning, organization, and conduct of social surveys and research projects are discussed. *Three hours credit*

401 **SEMINAR**

Mr. Albig

Students are directed in reading and research on selected topics related to the field of sociology. Repeated second semester. *Three hours credit*

(See Romance Languages)

(See English)



# The Alumni

THE WORD *alumnus* stems from its meaning in Latin: a foster child. Thus, from the moment a high school student receives his notice of acceptance into the academic community at Gettysburg College, he is in a sense an alumnus.

Realizing keenly its kinship with all its "foster children," Gettysburg College actively maintains personal and mutually beneficial relations with them wherever they may go after commencement. For their part, Gettysburg alumni cherish such a lifelong link with their alma mater. This partnership, symbolized by an Alumni Association founded in 1835, has exerted a good influence on the continuing process of higher education at Gettysburg College.

Alumni cooperate in many ways to insure that the liberal arts thrive at Gettysburg. They give of their time, talents, and funds to interest good students in attending Gettysburg College, make available scholarships and loans, and provide adequate physical and academic facilities.

To promote service to the College and fellowship among its alumni, former Gettysburgians have organized 36 alumni clubs in localities spanning the United States from New England to Southern California. In these areas and elsewhere there are 150 individual alumni working with the Admissions Office and the Secondary Schools Committee of the Alumni Association to provide firsthand information about Gettysburg College for prospective students. In addition, each September many alumni clubs sponsor *bon voyage* dinners honoring Gettysburg freshmen and their parents.

The College underwrites a flourishing Alumni Office, with an executive director and an experienced clerical staff. This office administers the Alumni Loan Fund by which a senior needing financial aid may borrow up to \$600. The office also keeps current address and information files and acts as a secretarial center for alumni activity.

The College communicates with former students through a regularly published magazine, newsletters, and other incidental publications, all issued by the Alumni Office. The Director of Alumni Relations and his staff also plan Homecoming Weekend, held in the fall, and Alumni Weekend in the spring.

# Register

## Board of Trustees<sup>1</sup>

*Terms expire in 1962*

JOHN S. RICE (1939)

U.S. Ambassador to the Netherlands. Gettysburg, Pa.

MRS. WILLARD S. PAUL (1956)

*Alumni Trustee*

Associate, C. H. Musselman Company. Gettysburg, Pa.

*Terms expire in 1963*

HENRY W. A. HANSON, D.D., LL.D. (1923)

President Emeritus, Gettysburg College. Harrisburg, Pa.

LUTHER W. RITTER (1957)

*Alumni Trustee*

General Manager, Littonian Shoe Company. Littlestown, Pa.

EDGAR D. ZIEGLER (1961)

*Central Pennsylvania Synod Trustee*

Pastor, St. Mark's Lutheran Church. Hanover, Pa.

*Terms expire in 1964*

CLARENCE A. WILLS (1946)

President, Gettysburg National Bank. Fairfield, Pa.

JOHN A. APPLE, *Chairman* (1952)

President, Butter Krust Baking Company. Sunbury, Pa.

LESTER E. GINGERICH, *Vice Chairman* (1952)

Chief mechanical officer, Pennsylvania Railroad. Wynnewood, Pa.

LLOYD M. KELLER, D.D. (1958)

*Maryland Synod Trustee*

Retired clergyman. Orrtanna, Pa.

JULIUS G. HLUBB, PH.D. (1958)

*Maryland Synod Trustee*

Vice Principal, Baltimore City College. Baltimore, Md.

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<sup>1</sup>The date following the name indicates the beginning year of present service on the Board of Trustees.

STEWART H. SMITH, PH.D. (1958)

*West Virginia Synod Trustee*

President, Marshall College. Huntington, W. Va.

GEORGE E. ALLEN (1958)

Attorney. Washington, D. C.

ARTHUR S. SIPE (1958)

*Alumni Trustee*

Sales staff, Proctor and Gamble Company. Drexel Hill, Pa.

*Terms expire in 1965*

C. WILLIAM DUNCAN (1935)

News staff, Camden (N. J.) *Courier-Post*. Pennsauken, N. J.

RICHARD C. WETZEL (1941)

President, Wytheville Corporation. Wyomissing, Pa.

WARREN C. HEINLY, D.D. (1957)

*Central Pennsylvania Synod Trustee*

Pastor, Grace Lutheran Church. Lancaster, Pa.

MILLARD E. GLADFELTER, PH.D. (1958)

President, Temple University. Jenkintown, Pa.

EDWIN T. FERREN, M.D. (1959)

Physician. Merchantville, N. J.

WILLIAM H. B. STEVENS (1959)

*Alumni Trustee*

Partner, Latham-Stevens Company, Insurance Brokers. Harrisburg, Pa.

*Terms expire in 1966*

CLYDE E. GERBERICH (1937)

Treasurer, Gerberich-Payne Shoe Company. Mount Joy, Pa.

MRS. CHARLES W. BAKER, JR. (1947)

Guidance Counselor, Springdale Senior High School. Springdale, Pa.

WILLIAM H. SANDLAS (1948)

Chief estimator, Consolidated Engineering Company, Inc. Baltimore, Md.

CHESTER S. SIMONTON, D.D. (1948)

Retired clergyman. York, Pa.

GORDON D. WHITCRAFT (1954)

Feature editor, Philadelphia *Evening Bulletin*. West Chester, Pa.

BERTRAM M. WILDE (1954)

President, Janney, Battles, and E. W. Clark, Inc., Investment Bankers.  
Narberth, Pa.

HARRY C. MCCREARY (1959)

President, McCreary Tire and Rubber Company. Indiana, Pa.

PAUL H. RHOADS (1960)

Attorney. Harrisburg, Pa.

LEWIS C. MANGES, JR., M.D. (1960)

*Alumni Trustee*

Surgeon. Bala-Cynwyd, Pa.

THE HONORABLE DWIGHT D. EISENHOWER (1961)

Former President of the United States. Gettysburg, Pa.

*Terms expire in 1967*

PAUL R. SIEBER, M.D. (1949)

Surgeon. Pittsburgh, Pa.

HORACE G. PORTS, *Secretary* (1955)

Attorney. York, Pa.

DONALD K. WEISER (1955)

General Manager, Illinois Office, Aetna Casualty and Surety Company. Glen Ellyn, Ill.

DAVID S. BANTLEY, M.D. (1957)

*Central Pennsylvania Synod Trustee*

Physician and surgeon. Johnstown, Pa.

LUTHER H. SNYDER, M.D. (1961)

*Alumni Trustee*

Physician. Washington, D. C.

*Emeritus Trustee*

WILLIAM J. MILLER, JR., D.D. (1939-1961)

Pastor Emeritus, Tabernacle Lutheran Church. Philadelphia, Pa.

*Trustee ex-officio*

CARL ARNOLD HANSON, PH.D. (1961)

President, Gettysburg College. Gettysburg, Pa.

## The Administration

*(As of February 1, 1962)*

CARL ARNOLD HANSON

*President*

A.B., University of Akron; Ph.D., Cornell University.

HENRY W. A. HANSON

*President, Emeritus*

A.B., A.M., Roanoke College; B.D., Lutheran Theological Seminary, Gettysburg; D.D., Gettysburg College; LL.D., Bucknell University, Lafayette College, and Wittenberg University.

MILDRED D. JOHNSON

*Administrative Assistant to the President*

A.B., Gettysburg College.



JOHN H. KNICKERBOCKER

*Historian and Director, Civil War Institute*

A.B., A.M., Columbia University.

RICHARD A. BROWN

*College Counsel*

A.B., Gettysburg College; LL.B., University of Pennsylvania.

CHARLES H. GLATFELTER

*Dean of the College and Director of Summer Session*

A.B., Gettysburg College; Ph.D., The Johns Hopkins University.

CHARLES R. WOLFE

*Dean of Admissions*

A.B., A.M., Gettysburg College.

MARTIN H. CRONLUND

*Associate Dean of Admissions*

A.B., Gettysburg College; A.M., Temple University.

DEANE G. BORNHEIMER

*Assistant Dean of Admissions*

A.B., Gettysburg College; M.Ed., University of Maine.

JANET O. RHOADS

*Admissions Counselor*

MILDRED H. HARTZELL

*Registrar*

B.S., Gettysburg College.

LILLIAN H. SMOKE

*Librarian*

A.B., Juniata College; B.S.L.S., Columbia University.

DOROTHY J. RIDDAGH

*Catalogue Librarian*

A.B., Wilson College; B.S.L.S., Drexel Institute.

SARAH B. WESTINE

*Readers' Services Librarian*

B.S., Simmons College.

DORIS M. KEMLER

*Audio-Visual Librarian*

B.S., A.M., University of Minnesota.

NANCY C. HODGES

*Assistant Catalogue Librarian*

A.B., University of Pittsburgh.

ANNA JANE MOYER

*Assistant Readers' Services Librarian*

A.B., Susquehanna University; M.S.L.S., Drexel Institute.

JOHN W. SHAINLINE

*Dean of Students*

A.B., Gettysburg College; A.M., Columbia University.

MARTHA H. STOREK

*Dean of Women*

A.B., Connecticut College; Ph.D., Bryn Mawr College.

W. RAMSAY JONES

*Dean of Men*

A.B., Gettysburg College.

DAVID M. LONG

*Director of Guidance and Placement*

A.B., Lebanon Valley College; M.Ed., Temple University.

BARBARA L. PLATT

*Assistant Director of Guidance and Placement*

B.S., Allegheny College; A.M., Ohio State University.

LEWIS B. FRANK

*Special Counselor*

B.S., Franklin and Marshall College; A.M., The Johns Hopkins University.

R. DAVID YOUNG

*Clinical Consultant*

A.B., Harvard University; Ph.D., University of Texas.

PAUL N. TERWILLIGER

*Director of Reading Services*

B.S., Clarion State College; A.M., Lehigh University.

HAROLD O. CLOSSON, JR.

*Director of Student Union*

B.S., University of Maryland.

CHESTER G. CRIST

*Medical Director, Emeritus*

M.D., Medico Chi of Philadelphia.

DOUWE L. RADSMAN

*College Physician*

M.D., University of Amsterdam.

F. STANLEY HOFFMAN

*Business Manager*

B.S., M.S., Gettysburg College.

STEVE C. DUNLAP

*Assistant Business Manager*

B.S., University of Pittsburgh.

JAY P. BROWN

*Bursar*

REX MADDOX

*Superintendent of Buildings and Grounds*

CHARLES P. GUMMEL

*Bookstore Manager*

A.B., Gettysburg College.

SEYMOUR B. DUNN

*Acting Director of Development*

A.B., Dartmouth College; A.M., Ph.D., Cornell University.

HOWARD B. MAXWELL

*Director of Alumni Relations*

A.B., Gettysburg College; A.M.T., Harvard University.

ROSEA ARMOR

*Administrative Assistant to the Director of Alumni Relations.*

RAYMOND S. DAVIS

*Director of Public Information*

B.S., Gettysburg College.

## The Faculty

(As of February 1, 1962)<sup>1</sup>

CARL ARNOLD HANSON, *President*

A.B., University of Akron; Ph.D., Cornell University.

1961-

CHARLES H. GLATFELTER, *Dean of the College and Associate Professor of History*

A.B., Gettysburg College; Ph.D., The Johns Hopkins University.

1949-

### EMERITI

HENRY W. A. HANSON, *President, Emeritus*

A.B., A.M., Roanoke College; B.D., Lutheran Theological Seminary, Gettysburg; D.D., Gettysburg College; LL.D., Bucknell University, Lafayette College, and Wittenberg University.

1923-1952

WILBUR E. TILBERG, *Dean of the College, Emeritus*

A.B., Bethany College; A.M., University of Kansas; Ph.D., University of Wisconsin.

1927-1955

CLAYTON E. BILHEIMER, *Professor of Physical Education, Emeritus*

M.E., Lehigh University; A.M., Columbia University.

1927-1953

FRANK H. KRAMER, *Professor of Education, Emeritus*

A.B., Gettysburg College; A.M., Ph.D., University of Pennsylvania.

1920-1956

<sup>1</sup>Members of the faculty are listed alphabetically within rank. The dates given indicate the years of service on the faculty.

WILLIAM C. WALTEMYER, *Professor of English Bible, Emeritus*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg;  
A.M., Ph.D., American University.

1929-1960

JOHN B. ZINN, *Professor of Chemistry, Emeritus*

B.S., Gettysburg College; Ph.D., The Johns Hopkins University.

1924-1959

WILLIAM D. HARTSHORNE, JR., *Associate Professor of Romance Languages, Emeritus*

A.B., A.M., Haverford College; Diplôme de Professeur de français à l'étranger, University of Toulouse.

1928-1959

# PROFESSORS

JOHN WILLIAM ALBIG, *Visiting Professor of Social Science*

A.B., A.M., L.H.D., Gettysburg College; Ph.D., University of Michigan.

1960-

RICHARD A. ARMS, *Alumni Professor of Mathematics and Director of Dramatics, Department Chairman*

A.B., Ursinus College; Ph.D., University of Pennsylvania.

1920-

ALBERT BACHMAN, *Professor of Romance Languages, Department Chairman*

Ph.D., University of Zurich; Agregation, University of Zurich; Ph.D., Columbia University.

1931-

ROBERT L. BLOOM, *Adeline Sager Professor of History, Department Chairman*

B.S., Shippensburg State College; A.M., Duke University; Ph.D., Columbia University.

1949-

M. ESTHER BLOSS, *Professor of Sociology, Department Chairman*

A.B., Cornell University; A.M., Ph.D., Columbia University.

1953-

EARL BOWEN, *Dr. Charles H. Graff Professor of Biology, Department Chairman*

A.B., Hendrix College; A.M., Ph.D., Harvard University.

1939-

HENRY T. BREAM, *Professor of Health and Physical Education, Department Chairman*

B.S., Gettysburg College; A.M., Columbia University.

1926-

HAROLD A. DUNKELBERGER, *Amanda Rupert Strong Professor of Biblical Literature and Religion, Department Chairman<sup>1</sup>*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg;  
Ph.D., Columbia University.

1950-

<sup>1</sup>On leave of absence, second semester, 1961-1962



- LT. COL. JOHN H. EDDY, *Professor of Military Science and Tactics, Department Chairman*  
B.S., Virginia Polytechnic Institute.  
1960-
- RICHARD B. GEYER, *Graeff Professor of English, Department Chairman*  
A.B., A.M., Miami University; Ph.D., Northwestern University.  
1954-
- JOHN G. GLENN, *Pearson Professor of Latin, Department Chairman*  
A.B., A.M., Wesleyan University; Ph.D., Princeton University.  
1925-
- CHESTER E. JARVIS, *Professor of Political Science, Department Chairman*  
A.B., A.M., University of California; Ph.D., University of Pennsylvania.  
1950-
- RICHARD T. MARA, *Sahm Professor of Physics, Department Chairman*  
A.B., Gettysburg College; M.S., Ph.D., University of Michigan.  
1953-
- FRANCIS C. MASON, *Professor of English<sup>1</sup>*  
A.B., A.M., University of Virginia; A.M., Harvard University; Ph.D., University of Virginia.  
1925-
- INGOLF QUALLY, *Professor of Art, Department Chairman*  
A.B., St. Olaf College; B.F.A., M.F.A., Yale University.  
1956-
- NORMAN E. RICHARDSON, JR., *William Bittinger Professor of Philosophy, Department Chairman*  
A.B., Amherst College; B.D., Yale Divinity School; Ph.D., Yale University.  
1945-
- RUSSELL S. ROSENBERGER, *Professor of Education, Department Chairman*  
B.S., Geneva College; M.Litt., Ed.D., University of Pittsburgh.  
1956-
- CALVIN E. SCHILDKNECHT, *Ockershausen Professor of Chemistry, Department Chairman*  
B.S., Gettysburg College; Ph.D., The Johns Hopkins University.  
1959-
- WILLIAM FREDERICK SHAFFER, *Franklin Professor of Greek, Department Chairman*  
A.B., A.M., Ph.D., Princeton University.  
1931-
- CHARLES A. SLOAT, *Professor of Chemistry*  
B.S., Gettysburg College; A.M., Haverford College; Ph.D., Princeton University.  
1927-

<sup>1</sup>On leave of absence, second semester, 1961-1962

KENNETH L. SMOKE, *Professor of Psychology, Department Chairman*  
A.B., A.M., Ph.D., Ohio State University.  
1927-1929, 1946-

MILTON L. STOKES, *Professor of Economics, Department Chairman*  
A.B., A.M., LL.B., University of Toronto; Ph.D., University of Pennsylvania.  
1950-

MAJOR WILLIAM N. STORMS, *Professor of Air Science, Department Chairman*  
B.S., Georgetown University.  
1958-

WILLIAM K. SUNDERMEYER, *Professor of German, Department Chairman*  
Ph.D., University of Goettingen.  
1939-

PARKER B. WAGNILD, *Professor of Music, Department Chairman*<sup>1</sup>  
A.B., St. Olaf College; M.S.M., Union Theological Seminary; B.D., Lutheran  
Theological Seminary, Gettysburg; A.M., New York University.  
1937-

GLENN S. WEILAND, *Professor of Chemistry*  
B.S., M.S., Ph.D., University of Maryland.  
1946-1947, 1949-

#### ASSOCIATE PROFESSORS

R. HENRY ACKLEY, *Associate Professor of Music*  
A.B., Western Maryland College; Peabody Conservatory of Music.  
1953-

FREDERICK C. AHRENS, *Associate Professor of German*  
A.B., University of Western Ontario; A.M., Ph.D., Columbia University.  
1946-

ROBERT D. BARNES, *Associate Professor of Biology*  
B.S., Davidson College; Ph.D., Duke University.  
1955-

GUILLERMO BARRIGA, *Associate Professor of Spanish*  
B.S., Colombian Naval Academy; M.A., Middlebury College; Ph.D., University  
of Madrid.  
1951-

HARRY F. BOLICH, *Associate Professor of Speech and Director of Debating*  
A.B., A.M., Bucknell University.  
1947-

BASIL L. CRAPSTER, *Associate Professor of History*  
A.B., Princeton University; A.M., Ph.D., Harvard University.  
1949-

THEODORE C. DANIELS, *Associate Professor of Physics*  
A.B., Oberlin College; Ph.D., Syracuse University.  
1954-

<sup>1</sup>On leave of absence, first semester, 1961-1962

WILLIAM C. DARRAH, *Associate Professor of Biology*

B.S., University of Pittsburgh.

1957-

EDWIN D. FREED, *Associate Professor of Biblical Literature and Religion*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg;

Ph.D., Harvard University.

1948-1951, 1953-

EUGENE M. HAAS, *Associate Professor of Health and Physical Education*

A.B., Gettysburg College; A.M., Columbia University.

1954-

HERBERT G. HAMME, *Associate Professor of Romance Languages<sup>1</sup>*

A.B., Dickinson College; A.M., Gettysburg College.

1922-1923, 1924-

J. RICHARD HASKINS, *Associate Professor of Physics*

B.S., University of Texas; Ph.D., Ohio State University.

1959-

LESTER O. JOHNSON, *Associate Professor of Education*

A.B., St. Olaf College; A.M., University of Minnesota.

1930-

GRACE C. KENNEY, *Associate Professor of Health and Physical Education*

B.S., New York University; A.M., Columbia University.

1948-

RALPH D. LINDEMAN, *Associate Professor of English*

A.B., University of Pittsburgh; A.M., Columbia University; Ph.D., University of Pittsburgh.

1952-

HAROLD M. MESSER, *Associate Professor of Biology*

Ph.B., Brown University; A.M., Columbia University.

1947-

M. SCOTT MOORHEAD, *Associate Professor of Mathematics*

B.S., M.A., Washington and Jefferson College; Ph.D., University of Pittsburgh.

1955-

CHARLES E. PLATT, *Associate Professor of Psychology*

A.B., Wittenberg University; A.M., Ph.D., Ohio State University.

1957-

WILLIAM L. SANBORN, *Associate Professor of French*

A.B., Dickinson College; Diplôme Supérieur de Civilisation Française, Doctorat D'Université de Paris.

1953-

W. RICHARD SCHUBART, *Associate Professor of Philosophy*

A.B., Dartmouth College; A.M., Columbia University.

1950-

<sup>1</sup>On leave of absence, first semester, 1961-1962

- JOHN D. SHAND, *Associate Professor of Psychology*  
A.B., Amherst College; A.M., Harvard University; Ph.D., University of Chicago.  
1954-
- KATHRINE KRESSMANN TAYLOR, *Associate Professor of English*  
A.B., University of Oregon.  
1947-
- CONWAY S. WILLIAMS, *Associate Professor of Economics*  
A.B., Columbia University; M.S., Columbia School of Business.  
1949-
- JOSEPH K. WOLFINGER, *Associate Professor of English*<sup>1</sup>  
A.B., St. John's College; A.M., The Johns Hopkins University.  
1946-
- WALDEMAR ZAGARS, *Associate Professor of Economics*  
Ph.D., University of Riga, Latvia.  
1956-
- EARL E. ZIEGLER, *Associate Professor of Mathematics*  
B.S., M.S., Gettysburg College.  
1935-

#### ASSISTANT PROFESSORS

- NORMAN L. ANNIS, *Assistant Professor of Art*  
A.B., Iowa State Teachers College; M.F.A., State University of Iowa.  
1960-
- CAPT. CHARLES H. AUER, *Assistant Professor of Military Science and Tactics*  
B.S., Norwich University.  
1959-
- PAUL R. BAIRD, *Assistant Professor of Economics*  
A.B., A.M., Pennsylvania State University.  
1951-
- EDWARD J. BASKERVILLE, *Assistant Professor of English*  
B.S., Lehigh University; A.M., Columbia University.  
1956-
- NEIL W. BEACH, *Assistant Professor of Biology*  
B.S., M.S., Ph.D., University of Michigan.  
1960-
- JOHN E. BENSON, *Assistant Professor of Chemistry*  
B.S., Pennsylvania State University; Ph.D., Princeton University.  
1961-
- ARTHUR B. BOENAU, *Assistant Professor of Political Science*  
A.B., Amherst College; A.M., Columbia University.  
1957-
- BRUCE W. BUGBEE, *Assistant Professor of History*  
A.B., College of William and Mary; A.M., Ph.D., University of Michigan.  
1958-

---

<sup>1</sup>On leave of absence, first semester, 1961-1962



- ALBERT W. BUTTERFIELD, *Assistant Professor of Mathematics*  
B.S., United States Naval Academy; A.M., University of Michigan.  
1958-
- JOHN B. CARPENTER, *Assistant Professor of Health and Physical Education*  
B.S., M.Ed., Pennsylvania State University.  
1958-
- GLENDON F. COLLIER, *Assistant Professor of German and Russian*  
A.B., Franklin and Marshall College; A.M., University of California.  
1957-
- CURTIS E. COULL, *Assistant Professor of Health and Physical Education*  
A.B., Gettysburg College; M.Ed., Temple University.  
1958-
- CHAN L. COULTER, *Assistant Professor of Philosophy*  
A.B., State University of Iowa; M.A., Ph.D., Harvard University.  
1958-
- E. DOUGLAS DANFELT, *Assistant Professor of Music*  
B.Mus., Eastman School of Music; A.M., Columbia University.  
1955-
- LEWIS B. FRANK, *Assistant Professor of Psychology*  
B.S., Franklin and Marshall College; A.M., The Johns Hopkins University.  
1957-
- ROBERT H. FRYLING, *Assistant Professor of Mathematics*  
A.B., Gettysburg College; M.S., University of Pittsburgh.  
1947-1950, 1958-
- ROBERT M. GEMMILL, *Assistant Professor of Economics*  
A.B., Gettysburg College; A.M., University of Pennsylvania.  
1958-
- HAROLD L. GLAD, *Assistant Professor of Health and Physical Education*  
B.S., Maryville College; M.A., Columbia University.  
1959-
- LOUIS J. HAMMANN, *Assistant Professor of Biblical Literature and Religion*  
A.B., Gettysburg College; B.D., Yale Divinity School.  
1956-
- C. ROBERT HELD, *Assistant Professor of Latin*  
A.B., Gettysburg College; A.M., Princeton University.  
1954-1955, 1956-
- JOHN T. HELD, *Assistant Professor of Education*  
A.B., Gettysburg College; A.M., Columbia University; M.S., University of Illinois.  
1960-
- THOMAS J. HENDRICKSON, *Assistant Professor of Physics*  
B.S., M.S., University of Michigan; Ph.D., Iowa State College.  
1960-
- EDMUND R. HILL, *Assistant Professor of Economics*  
B. Com., McGill University; Ph.D., University of Pittsburgh.  
1961-

ROBERT T. HULTON, *Assistant Professor of Health and Physical Education*  
A.B., Grove City College.  
1957-

R. EUGENE HUMMEL, *Assistant Professor of Health and Physical Education*  
A.B., Gettysburg College; A.M., Columbia University.  
1957-

SIGRID L. LEHNBERGER, *Assistant Professor of Romance Languages*  
A.B., Hofstra College; A.M., Duke University.  
1952-1956, 1959-

ROWLAND ELIZABETH LOGAN, *Assistant Professor of Biology*  
A.B., University of California; M.S., Ph.D., Northwestern University.  
1958-

MARIE MCLENNAND, *Assistant Professor of English*  
✓ A.B., A.M., University of Pittsburgh.  
1955-

NANCY K. MITCHELL, *Assistant Professor of Health and Physical Education*  
A.B., Gettysburg College; M.Ed., Western Maryland College.  
1958-

CAREY A. MOORE, *Assistant Professor of Biblical Literature and Religion*  
A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg.  
1955-1956, 1959-

SAMUEL A. MUDD, *Assistant Professor of Psychology*  
A.B., Gettysburg College; M.S., Ph.D., Purdue University.  
1958-1959, 1961-

CAPT. ARNOLD L. PAPARAZO, *Assistant Professor of Air Science*  
B.S., Pennsylvania State University.  
1960-

PAUL G. PETERSON, *Assistant Professor of Music*  
A.B., St. Olaf College; M.S.M., Union Theological Seminary.  
1960-

JAMES D. PICKERING, *Assistant Professor of English*  
A.B., A.M., Wesleyan University.  
1954-

MAYNARD R. PLAYFOOT, *Assistant Professor of Romance Languages*  
A.B., A.M., New York State College for Teachers.  
1956-

CAPT. WILLIAM F. RICHARDSON, III, *Assistant Professor of Military Science and Tactics*  
A.B., Gettysburg College.  
1960-

ALEX T. ROWLAND, *Assistant Professor of Chemistry*  
A.B., Gettysburg College; Ph.D., Brown University.  
1958-

MAJOR EARL M. SCHMIDT, *Assistant Professor of Air Science*  
B.S., Arizona State University; M.B.A., Harvard University.  
1959-

- WALTER J. SCOTT, *Assistant Professor of Physics*  
A.B., Swarthmore College; M.S., Lehigh University.  
1959-
- AVERY SHEAFFER, *Assistant Professor of Sociology*  
B.S., Ohio State University; A.M., American University.  
1957-
- HOWARD G. SHOEMAKER, *Assistant Professor of Health and Physical Education*  
A.B., Gettysburg College; A.M., Columbia University.  
1957-
- CAPT. WELDA A. SMITH, *Assistant Professor of Air Science*  
B.S., Trinity University.  
1958-
- JOHN R. STEMEN, *Assistant Professor of History*  
A.B., Yale University; A.M., Ph.D., Indiana University.  
1961-
- MARY MARGARET STEWART, *Assistant Professor of English*  
A.B., Monmouth College; Ph.D., Indiana University.  
1959-
- ERIKA E. THEOBALD, *Assistant Professor of German*  
Ph.D., University of Vienna.  
1961-
- ROBERT H. TRONE, *Assistant Professor of Biblical Literature and Religion*  
A.B., Gettysburg College; B.D., Yale Divinity School.  
1956-
- JANIS H. WEANER, *Assistant Professor of Spanish*  
A.B., Mary Washington College of the University of Virginia; A.M., New York University.  
1957-
- ESTHER CHASE WOOD, *Visiting Assistant Professor of Psychology*<sup>1</sup>  
A.B., Pennsylvania State University; A.M., Columbia University.  
1957-

# INSTRUCTORS

- JAMES W. ALEXANDER, *Instructor in History*<sup>2</sup>  
A.B., Dartmouth College; M.S., University of Wisconsin.  
1957-
- JOSEPH S. BACHMAN, *Instructor in History*  
B.S., Davidson College; A.M., University of North Carolina.  
1960-
- GARETH V. BISER, *Instructor in Health and Physical Education*  
B.S., Gettysburg College; M.S., Syracuse University.  
1959-
- MARIE BUDDE, *Instructor in Voice*  
B.M., Curtis Institute of Music; Peabody Conservatory of Music.  
1958-

<sup>1</sup>On leave of absence, second semester, 1961-1962

<sup>2</sup>On leave of absence, 1961-1962

JOAN THATCHER CROOK, *Instructor in French*

A.B., George Washington University.

1961-

HELEN H. DARRAH, *Instructor in Biology*

B.S., M.S., University of Pittsburgh.

1961-

PATRICIA D. GEISER, *Instructor in Chemistry*

A.B., Gettysburg College.

1960-

ROBERT T. GILLESPIE, *Instructor in Political Science*

A.B., Washington College; A.M., University of Rhode Island.

1961-

ELIZABETH H. GODARD, *Instructor in English*

A.B., Tulane University; M.A., University of Pennsylvania.

1961-

JANVIER L. HAMELL, *Instructor in Anthropology*

A.B., A.M., University of Pennsylvania.

1961-

KARL F. HARSHBARGER, *Instructor in English and Coordinator of Dramatics*

A.B., University of Oregon; A.M., The Johns Hopkins University.

1960-

CAROLINE M. HENDRICKSON, *Instructor in Spanish* ✓

A.B., Wellesley College; A.M., Columbia University.

1959-

SIDNEY G. JAMES, *Instructor in English*

A.B., University of Oklahoma.

1961-

ROBERT S. KNOX, *Instructor in Political Science*

A.B., Harvard College; A.M., Georgetown University.

1959-

JAMES R. KRUM, *Instructor in Economics*

A.B., Gettysburg College; M.S., Pennsylvania State University.

1959-

ILSE LANGERHANS, *Instructor in German*<sup>1</sup>

Graduate of Augusta Lycee; A.B., Gettysburg College.

1958-

JACK LOCHER, *Instructor in English*

A.M., University of Chicago.

1957-

JOHN H. LOOSE, *Instructor in English*

A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg.

1959-

<sup>1</sup>On leave of absence, 1961-1962



- WILLIAM ROBERT MAY, *Instructor in Biblical Literature and Religion*  
A.B., Millersville State College; B.D., Lutheran Theological Seminary, Gettysburg.  
1961-
- SHIRLEY A. O'DAY, *Instructor in Health and Physical Education*  
B.S., University of Delaware.  
1960-
- JOHN RIDINGER, *Instructor in Health and Physical Education*  
B.S., Gettysburg College.  
1956-
- DONALD C. RIECHEL, *Instructor in German*  
A.B., Columbia University; A.M., Northwestern University.  
1961-
- MARY LOU SCHWARTZ, *Instructor in Music* ✓  
B.S., West Chester State College; A.M., Columbia University.  
1961-
- ELIZABETH V. STONE, *Instructor in English* ✓  
A.B., Goucher College; A.M., The Johns Hopkins University.  
1961-
- PHILIP L. STRONG, *Instructor in English*  
A.B., A.M., Columbia University.  
1960-
- NELSON R. SULOUFF, *Instructor in Biblical Literature and Religion*<sup>1</sup>  
A.B., Gettysburg College; B.D., Lutheran Theological Seminary, Gettysburg.  
1958-

#### ASSISTANT INSTRUCTORS

- SGT. BILLY A. DAVIS, *Assistant Instructor in Military Science and Tactics*  
T/SGT. FRANK B. DAVIS, *Assistant Instructor in Air Science*  
SFC JOHN B. HILL, *Assistant Instructor in Military Science and Tactics*  
SFC THOMAS R. KOBALLA, *Assistant Instructor in Military Science and Tactics*  
SFC ARMAND F. PROSPERI, *Assistant Instructor in Military Science and Tactics*  
SFC DONALD C. RIDENOUR, *Assistant Instructor in Military Science and Tactics*  
A/1C DOUGLAS W. SALO, *Assistant Instructor in Air Science*  
T/SGT. DONALD L. SWIGER, *Assistant Instructor in Air Science*  
M/SGT. SHELDON K. WAITE, *Assistant Instructor in Military Science and Tactics*

#### LECTURERS

- JACK R. CORBIN, *Physics*  
B.S., Millersville State College.
- LENA FORTENBAUGH, *German*  
A.B., Syracuse University; A.M., Gettysburg College.
- JEAN ANNE HARTZELL, *English*  
A.B., Gettysburg College.
- BARBARA K. STROUP, *English* ✓  
A.B., Dickinson College.

<sup>1</sup>On leave of absence, 1961-1962

PRIVATE INSTRUCTORS IN APPLIED MUSIC

DONALD E. GOLDEN

A.B., Gettysburg College.

CLYDE MUMMERT, *Violin*

B.S., Gettysburg College.

J. HERBERT SPRINGER, *Organ and Piano*

Student of Tobias Matthay and of Frank Manheimer, London, England.

RESEARCH ASSISTANT

MARSHALL H. COHEN, *Chemistry*

B.S., Dickinson College.

ASSISTANTS

BETTY M. BARNES, *Biology*

A.B., Winthrop College; A.M., Duke University.

HARRIETT E. BEACH, *Biology*

A.B., M.S., University of Michigan.

MARY S. BOYLAN, *Biology*

A.B., Smith College.

TROCELIA W. COULTER, *Biology*

A.B., Drake University; A.M., State University of Iowa.

CONSTANCE R. HURLOCKER

B.S., Lenoir Rhyne College.

# Statistical Summary

FIRST SEMESTER 1961-1962

## STUDENTS IN COLLEGE

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Senior	199	136	335
Junior	231	128	359
Sophomore	295	168	463
Freshman	406	169	575
Special	13	21	34
	----	----	----
Total	1144	622	1766

## GEOGRAPHICAL DISTRIBUTION

	<i>Students</i>
Pennsylvania	816
New Jersey	362
New York	241
Maryland	164
Connecticut	56
Massachusetts	29
Virginia	25
Washington, D. C.	17
Delaware	11
Ohio	7
Other states	36
Foreign countries	2
	----
	1766

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## Notes

## Notes



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## Notes

